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JULY 1997 . CONTENTS

Editorial



Talk about packed! This issue of CU Amige is one of the busiest ever if anyone tells you the Arniga is dead. stuff this in their face and you'll soon shut them up

Read all about the recent World of Amiga show and the Geteway/Amiga press conference, allow us to make you an Internet offer you can't refuse, debate the Amiga s slide down the slippery slope with us, and chat with cartoon maestro Enc Schwartz Or how about that wodge of reviews opposite? If that's not enough, get your teeth into our extended tutorial section end check out our brilliant Quarterback and Big. Red Adventure cover disks and CD. Now I can't sey fairer than that



Cover Feature

20 Total Internet Solution Exectly what it says: the software is on



the disk, en Amige net provider is set up, end here you'll find out everything you need to know about how and why to finally get connected to the Internat.

Features

28 What Went Wrong?

Why did the world's most revolutionery, forward thinking computer and up taking s back seet to fer leaser technology like the PC and Mac, and can history teach us how to get the Amige beck up there? We dissect the Amiga's rollercoaster life in an effort to find out just what went wrong.

34 Eric Schwartz

His snimetions and artwork are admired the world over. Ha's been the inspiretion for thousands of Amige ertists and by rights, many say he should be head of Dinney by now After all these years he's still a staunch Amige supporter, so we thought it was time for a chat...

Cover Disks & Super CD-ROM



6 The Big Red Adventure Hers's your chance to try out the 90% rated graphic edventurs from Power Computing Sneak bahind the rusting iron curtain to discover a land full of mystery and all kinds of weird and shifty characters.

6 Quarterback 6.1 &

Quarterback Tools The complete Quarterbeck 6.1 system is yours with this month's CU Amige Magazina. Backing up files and antire drives has never been easier, and along with the companion software Quarterbeck Tools, you'll elso be able to salvage corrupt files and work wonders with disks that let you down.

12 Supar CD-ROM 12 Simply the best CD-ROMs for your Amiga. Number 12 is no exception

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The

The iron curtein hes fellen and the ex-Soviet Union is open for business. Your job is to guide Doug the computer nerd

(don't worry, no-one is implying anything, this guy uses PCs) on his quest for the biggest piece of business of them ell steeling the Czer's crown

How to load Simple! Just boot up from herd drive, whack the disk in the floppy and you are already half way there. Double click on the disk icon and drag the icon called Dreg_me_to_HD_end_click to wherever on your herd drive you would like the demo drewer to be pleced. Without removing the floppy disk from the drive, double click on the icon end as if by magic The Big Red Adventure will be installed to your hard drive! Greet, huh?





Adventure



he Big Red Adventure is almost a good name t is Bin, and it is an however, Red This is, however, rather lucky. because if the whole

thing was red you'd have a lot of trouble figuring out what was going on Cantrol should be fairly

straightforward to envone who has tried their hand at edventure games. You move the mouse pointer ground the screen and when it passes over an object you cen interact with. A piece of text will appear telling you what the object is. Don't worry, it's not ell

in cyrillic Objects can be interacted with by the simple expedient of clicking on them with the left mouse button If you click anywhere on there is not a named

object Doug will try to walk there instead For more complex

button can be held down This brings up an Icon menu The top ine of the icon menu onssible for you to perform on an object. Below that is the inventory of objects

you are carrying These can also be used upon objects. you come across Let's try it out hold the button down slide the pointer to the envelope, then release A small envelope will appear naxt to the pointer. Drag the pointer over to Doug and you will notice the words "open anvelope" appearing. Click the left button and, surprisingly, the letter is open! Look in your inventory and vou'll find what was in it.

Right, now you have the irles you gan get on and figure out the rest for are impressed you can buy the full game for under twenty guid Power Computing are the suppliers. give them a call on 01234 851500



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Duarterback



There just isn't eny competition. Querterback is e quite brilliant beckup utility. We've even given you Querterbeck tools as well. You'll

thenk us for this one!

Loading instructions

As usual, writs protect your floppy first. Book up from your find offerty, either in the disk, and open if up. Double eith on the disk, and open in the protection of the install ison and away you go, Installation is vary simple; just tall itself and test it get on with it! You can choose to install either or both packages, follow the on-screen instructions and you cen't go wrong,

Section of English Values

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Left Paintes delete

Ently Values

Ballishin of Values P-204 Kee

Courte-view is the ultimate backup utility. Her disks are the business – competing without one is not a very flux spenierus; these days. But hard drives up on the spenierus; these days. But hard drives up of the spenierus; the spen

nard orive. It have to incremental backups which only backs up whatever has been added since the last time you backed up your data. Described Fook to all impressive and powerful auto of disk manipulation tools. The most common uses of the most common use of the most co

the software on your hard drive – and a disk optimizer and a whole selection of bonu utilities for all sorts of general disk functions. Check the page opposite for details but you'll have to read the on-disk guide to learn how all this works. We couldn't possibly find the space to explain it all here.

Terms Browning Comments of the Comments of the

and Quarterback Tools

Quarterback end Querterbeck tools come with full instructions on disk, but for those who want to jump in, here's e quick overview.

nce in a while herd disks bite the big one the sage of the last three months to us in the office, and Mat and Andrew heve both spent long hours recreating lost Workberch set ups. Oh if only we

had backed up our drives eh? Backing up with Quarterback is easy. Fire up the program and select the drive you went to back up If you hit the "enter" gedget you can go into the directory structure to back up individual directories. Hit the "backup" gad get, select OK from the oppon screen, and Quarterback will scan through the disk and present you with a list of all the files end drawers in the location you have selected Each has a tick or teg mark next to it to indicate that it will be backed up. You can deselect anything you don't need erchived. Hit backup and it will figure out how many disks it will take to back up the whole lot and wait for your confirmation before it gets going

There are e lot of options you can select while doing this You'll have to read the 'on-disk help for full instructions. When you have chosen the device you want preserved, click on backup. You are presented with an options screen. From here you can select whete the backup goes to Normelly it will beck up to however many.

floopy drives you have connected. but you can choose to back up to other devices, too If you wanted to back up to a Zip drive configured as unit 3 on a SCSI cheln. you would first click on Tage/removables, then select SCSI DEVICE (or whatever is appropriate) in the device box and change the unit box to read 3 Just above the click boxes the "Destination" line should then read something along the lines of 'Desunetion Zio disk 88Mb", The rest is as before Simple, huh? you'll have to read the manual

first before you get into that Querterbeck Tools is such a complex suite of software that it is barely possible to touch on it in such e small space. You are strongly advised to read the instructions. The main program has four major functions Analyze/repeir can fix checksum errors and mark out bed blocks, Recover Lost Files allows you to undelete. Optimize mekes your disks quicker to read, and Edit Volume allows you to edit the raw deta on your disks. This is very powerful, but dengerous if you

don't know what you're doing!
Also included are Replicator, a
powerful disk duplicating utility
Locator for finding files on your
herd drive, Encrypter for schembing files. Disk end File etaser
for permanent and secure erasure

of disks or files kaystroke finder for locating those unusual characters on your keyboard and Braincloud which renders disks temporanty unavailable



A Optimization appeals disks by restoring fragmentation.

Online Offer!

of enty has covardisk. 160 the bulliant but it contains a or public domain terminal Leckage called JPTerm We'll NetConnect 'Lite' software to go s th the Total Internet Solution feature on page 20 The whole software exchive fits on about " re flooply disks so, sadly there wasn't enough space to put if

O-ROM adition of course Installation is pretty simple Plean, se to your Work part-Iron Click on it and vou'll see JPTerm being unarchived onto your herd drive Close the drive

ARC MANG

The Muchine BBS

Ozman Feurs Amiga

Barkside 685

Last Yorga

Frant Fine

Amina Shuch

Echnon BBS

S Star Amiga

Barn Harrawarld

FWiBBit (freinid)

the disk edition. It is on the

Dieg. Me icon will have disep-

Making sure that the modern is plugged in, powered up and conopen the JPTerm directory and click on JPTerm itself. The hist time you run JPTerm it will copy a libiary to your system perblion phone book in JPTerm Click on the BBS that seems to be most local to you, and the package will

automatically make the modern dial and shortly you should be connected to the chasen BBS. Follow the BBS' online instructions to register your name and so find an option to download the CU NetConnect Life package. This will

SYSOP

Agest Therne

Robert Bale

Ton Pengra

Bayes Naviou

Mike Brothry

Steve Bernet

Bteshes Herris

Burning Mc Boson

Paul Green

Chris Elewerth

can't go into it in more detail When you've done that, salect Download from the transfer menu of JPTerm. A new window will appear and display the progress

extract it from the Shell. Use the Perform the following in the Shell, pressing Return where indicated

NetConnect.lzx [Return]



Replace Work with any tempo rary drive with 10Mb free Replace the section on the next line efter the x, with the full path CU NetConnect Izx archive Now you should have a directory in the destination drive. Open it and run the Installer More instructions on instaling NetConnect can be found in the Internet feature sterting on page 20

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of the download. This may take as long as half an hour on a 28800 baud modern so be patient? Now that you have the erchive,

CD Work: [Beluin]

on. Now you should be able to window, reopen it and the vary from BBS to BBS, so elas we BBSs to get NetConnect from.

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-ROM 12



Welcome to CUCD12. Dince again we've just an unreastible emouse of brilliant software for your Art per software and the common of brilliant software for your Art per software (CUCD12 can be housed from a CD22 or en A120040000 with adequate CD23 emission. In allow you to use this CD22 consistence of the CD22 or en A120040000 with adequate CD23 emission. In allow you for the TD22 consistence of the CD22 consisten

Making things work
Clich or a picture icon and a viewer loads up and displays
the Image, Click on a made and a modulayer pose up and he Image. Click on a mod and a modplayer pope up and one the time A much as possible of the software will use from the CB award. However, seems theigh on the did a work I new when you click as them. There are sever reasons for that if it is a picture or emission from your hardware among it is not provided by the company and the second of the company and the company are the second of the decide of the company and the company are company and the company are provided to the large minimum and the company are provided to the company are provided to the company and the company are provided to the company are provided to the company and the company are provided to the company and the company are provided to the company are the company and the company are provided to the company are the company are provided to the company are the company are provided to the company are the company and the company are provided to the company are the company and the company are provided to the company are provi

may not work on every set up. Run the bare minimum Morkbanch and try them. If this still doese't work, boot with no startup sequence and ectivate the program fron the shell. You will seed to know AmigaDOS well for this

Every month it gets better. This time you get the brilliant Quartarback suite along with the usual wonders.

On the disks Quarterback 6.1 Suite

The best backup utility on the market and it comes with the bnlliant disk/file recovery system Quarterback Tools, too. Never lose #

smale file again! The Big Red Adventure

This four screen demp lets you get a taster of the brilliant new edventure game from Dynebyte and Power Computing. Help Doug the computer nerd on his quest to prich the Czar's crown Revel in the lovely entwork and pertake of some merry Muscovite madness! See



Gateway press conference

No audio tracks this month, the whole thing is just one vast collection of Armos software. Not that this means that there is nothing to listen to As well as the standard selection of MIDI files and mods you have

By now you probably know that there was a press conference before the World of Amige show. Some of you may have read the site, but we've brought you the entire press conference in MPEG. On slow processors you may find that the sound pauses every now

What's in your drawers?



Root: The root directory of JuCD12 is set up like a Workbanch disk, with all the standard directories - C, Devs, Libs, Fonts and so on You will find that these directories ere ellnicely packed full of files you can

ne

use on yorr own Workbench II Thara are planty of libraries, lonts and so on. If you want to copy anything across to your own system, just use a directory

itirty such as Directory Opus The Big Red Adventure: Ready to play straight from the



started - there are full instructions of page six.

Guarterbeck; Yat another briltrant commercial package for you to add to your collection. A stan dard installer will matel this to your hard drive. For more details, see paga eight System: Dektrackar.

Hippoplayar GmPley, Newlcons, PerNET Flick Viewtak, VirusZ and more have moved into a new drawer called CDsupport in the System directory MUI and the standard Workbench system files ramain in the parent.





A Yet mother treasure trave of tay Amiga coltware in years with CUCB12. Well over \$4000 of data recludes graphics, utilities, made, gomes, domos and web tites

Tools: A fairly standard Workbanch tools drawer Prefs: Standard Preferences diawer with Newlcon prefs. Utilities: Multiviaw, Clock, Toolalras and some Newlconii

WWW: Damo versions of the 1.1 and Voyager NG are here plus the brand new AWeb 3 0 demo. There are also pages to browse without a modem! All you have to do is click on the Show WWW icon and then select which browser you want

to use when asked CUCD: Here s where you'll find the really good striff



festure then you'll find a lot in this drawer to help you ont. Also a big collection of Usenet naws for you to browse through CD-ROM: One to the problems



Aminet CDs. IdeFIX Quick Sampler and even more CDIDs Graphics: AGA Morph, CDXL the latest CybergraphX drivars, a Picesso96

emulator for CybergraphX, an HTML gallery creator,

RTGMester and moral

Programming: Lots of GUI stuff to get your teeth into with the complete user and developer files for the Triton GUI system, the GedToolsBox, and as an extra bonus the full ADE binary

Damoa: Always a favourite, this month we bring you the letest and greatest from the world's most active damo scanal

rmetion: STCCGgrida Mean anything to you? If so grent, if not wall that's why wa give you the

first place! Lots in here

Utilities: Stock merket enalysis from Amibroker same directory utilities, the new yes-

sion of the MultiCX, a collection of the latast virus chackers. VINCEd, tha potentially KingCon beating Shall

replacement and more Readers: Readers contributions from around the world We get more than we have time to deal with, but

we're always lookng for moral Expect a Reeders contributions special in the near

Games: The latest version of Bolderdash. Destructive Poker, Eldritch, Omega, Treet Driver, more Worms samples,

end a dema of SkimmarsAGA Megezine: Hare you'll find Wired World bits. Also the complata Amige International / Gateway 2000 press conference from the World of Amiga show

Previewe: Wanns see some Schwartz? To tra in with this month s interview, you can chack out this collection - and check

out the CD reviews page for details of how to get mora Sound: Plenty to keep music fans happy haim, including the latest

AHI retargetable endro system AlgoMusic, MIDI files, stacks of music mods and

If your CUCD does not load

If your CD does not load contact Diskxpress on 01451 810788. If they advise that the CD is faulty asad it along with a SAE to: CU Amign Magazina Diak Retures, Diskxpress, 7 Willow Court, Bourtos Industrial Park, Bourton on the water, Gloucestershire GI 54 2HO Please note that some CDs will not autoboot on

systems other than CD32s, so try loading ft from Workbeach first.



News

The World of Amiga 1997

The Amiga event of the yeer turned out to be a greet success for all involved. CU Amiga was there...

th risk attl wer on the Garway Armag a compared to the 1970 World of the 1970 World

soe page a wind to be solved to that of the solved to the

the shows of the late 80s Despite clashing with the FA Cup Final, Satuday's exhibition was very well attended. Opening time saw a healthy queue stretching the length of the derk and grotty entrance area beneath the main Novotel hose.

TFX takes off

greated with a grab-tag of exhibitors, ranger from market stall types knocking out cheap software and perspired to present stall types knocking out cheap software and perspired to presupped show cases of new facthoring the conditions, Out and the control of the



A Exclusive greats no the CU Amign street, phase 5 knocked 'on dood with PowerUp.

cards in the UK for the first time, not to mention the editional team on hand for various While the size of the show

might suggast Town of Amiga would be a more ept name, the 'World tag was certainly justified tag was certainly justified tag was certainly justified. A with a truly internetional furn out. Exhibitors included Nova Design and Final Developments from the USA, with Amiga Internetional, phase 6, PIOS and individual Computers from Germany, while visitions came for a conditional for the waskend with the control of the property of the control of the waskend came to London for the waskend

purely to pover the show for his



A Hill's Stove Jones demonstrates the amazing Sintege ATC overton

local Amiga user group in Greece. To give you an idee of who and what was at the show, here's a brief walk-ground, stopping off at a random selection of stands.

Silly prices

Through the doors and ammediately Guildhall Lessure's stand made at spreance known, like a model of Manhatten with atacks of games like skyscropers belong sold at ally prices. Microprose Grand Pinc, one of their latest re-releases was their biggest seller. Also catching them early were HSOft, attracting pood crowds to

their stand with the new fest ser-

w L.R.: CU Amige's Kirstu mouts the public, the crawde become a blut, and lony gets airaick as he demonstrates TX









on the Amine International stand, alease \$'s Welf Dietrich sats tachnical, and CU Anaga's Mat Bettressa points out his World of Anaga gouter whilst brondcasting the show over the Istornet.



A Happy agaters was a pleatiful socials

el adapter called the Whippat creating quita a buzz. The CD version of Cinema 4D was also making its dabut Get CU Amiga next month for raviews of both of these CD-ROM kings Epic Marketing were banging tham out at givexcallant old CD32 pames for a

Laury Hickmott's LH Publishing wata promoting Draw Studio and Pagestream 3 Also on the stand ware David Havnia's disk recovery program Disksaly 4 and manuals for recent CU Amiga covardisks Imaga Studio and ProPage

san-

ten TFX.

Who's that on the Wizard Developments stand? No less than the endeaningly named Kermit Woodall from Nove Design showing off Image FXI Kermit was joined by GP Softwara a Gleg Perry, converting the massas to Opus 5.5, and IssieeSoft wara elso there with Turba Print 5 And what of Wizard themselves? They shifting brand new Amigas, among other things one of which saved our becon as we turned up

CU Amige stand mobbed all day Seturday and still arquebly the busiest stand all through Sundey Lured not only by the cherms of formed around the flist ever public showing of TFX (boosted by a hestily purlained 50mHz 030 card enother major first, phase 5 dropging laws with thair unfeasibly fast PowerUp accelerators performing amazing feats such as full decoded MPEG anims running on Workbench Further techno lust was satisfied by Mat's live trans-Internet, a cute portable Amiga and what turned into a two day technical O+A session Phewl Garners were well serviced by

Direct Softwere, who came with a huge ranga of games and news of more to come, but considerous by its absence was thair 'Power Amiga' system. They ware hoping to debut their souped up 68060 based tower Amiga, but lest minute problems with the sourcing of their cases caused a now resolved delay Direct say they have hed anormous public Interest for the Power Amiges, including inquiries from the BBC and Sky

Amiga International

The biggest stand on the show was appropriately that of the company which is et the heart of this whole industry, the newly bought out Amiga International With no new products, the stand was instead showing off the capabilities of the platform Micronik had a strong presence with an impressive collection of Amices. When you pass a trua

colour ultre high rasolution Workbanch screan, the top bar reading 2Mb Chip, 126Mb Fast. you know you are in the presence of a pratty swesoma Amiga. Much of the business on the Amèga International stand was done behind the scenes in the 'innei senctum' hospitality suite. Amiga Intametion's head Petro Tsytchenko had a busy schedule of talks with people from the industry over the weekend, and rapiessed many with his sanousness about working with other companies and getting the market firing sgaln HiQ's Siemese RTG was some-

thing of a show stoppas displey-Ing an unprécedented connectivity between PC and Arrige systems. Crowds were being waved by an Amige Workbanch being displayed on a Windows96 screan, leading to many jokes about how amazing it was that someone had at lest managed to put an operating syscence of this product was indicated by the presence of a Siemesa system on the Amiga

AG PIOS were showing the TransAM and Maxxtram systems we looked at in our May issue. Looking at the moment rather like BeBox / Macintosh clones, the PIOS machinas ara designed to be Multiple OS systems and use a CHRP (Common Haidware Reference Platform) design to



show and playable at the CU Aresya stand,

facilitate very opan multi comput ing. Amige compatibility will come in with the developent of a Slamese and through the Arriga OS like pOS in development by

Power Computing roped in the telents of ex-Commodore UK heads David Pleasanca and Jonathan Anderson to help service the baying crowds appetite for accalarators and other ungrades. CU Superstar award winning advantura pama The Big. Red Adventure attracted a lot of attantion too and was a good sallor on Power's stand and several others

The eftermath

Aftai the dust had settled on the weakend ganeral opinion was that it had been a great success Sales were reported as healthy and there was no shortage of enthusiasm Plans are already efcot for another World of Amics. cencilled in for a pre-Christmas Dacrimbai slot We'll keap you informed of futura developments



A Couplite the daubters. TFX was redeed on A Subsidence was reported to be a problem an same stands.

A .lim and Petra small out the future

Gateway Unveils Plans for Amiga

about their acquisition and feel a

strong alfinity with the Amiga

community There was scapti-

cism from some at the confer-

recant yeers, but most people

presentation

were impressed by a very strong

the stand to outline the future of

Amaga International There were

machines, but most observers felt.

this was in fact rather reassuring

Jim Taylor kept telling us that they

had only owned the company for

about 20 minutes, and anything

too spacific would undoubtedly

no announcements of new

Petro Tyschtschenko then took

ence, a legacy of the confusion of

Encouraging but realistic words came from the first ever Amiga International press conference...



Novotal in London Arniga Internetional held e press conference at which future plans for the Amiga were outlined by Amige International president Petro 2000's Sanor VP in charge of global marketing, Jim Taylor

Jim Teylor spoke first introducing the company which has bought the Amigs, end essunno



have been lumping the gun The Future

Amige International will concartrate on the release of a naw operating system, and Petra statad that he believes the work is mostly done thanks to the efforts could include programs such as Executive MUI Newloans, MCP

The other important area will be broad licensing allowing third party davelopers to produce true new openness in the Amige industry, with Amige International supporting the Amiga community diractly and co-operating in RBD and technical matters with other companies Amiga International ara willing to see where the mar-

Marriage made in heaven?

What have Gatewey in common with the Amige? According to Jim Taylor, quite a lot. Geteway believe that enthusiests lead the merhet, sed thinh that profits come from offering value and service. They thick of themselves as "moverich of the hard" with embitions to use the PC boom to their advantage then put their owe spie on it.

The Press Conference on CD Just pop the CD in your drive sed tehs a look is the Megazine drewer. The whole conference is stored is MPEG audio form, end can be heard by simply clicking as the loas.

production casts down Investment Policy

ket laads the technology, but

stressad tha need for the Arniga

pletform to move to industry stan-

dard components in ordar to keap

Having discussed the future with Petro Tyschtschenko after the Gateway 2000 seem to have a genuine and serious commitment to the success of the Amiga end are willing to invest in its future. Gateway want to saa the Amiga profitable in the long term and realise that this maans investment

and marketing in the short term. Geteway 5 rashse that the Amige has a fiercely loyal user base, and this is why they bought it Gateway's policy is to ancourege user loyalty through good service, and it was the amazing loyelty of the Amige market that they wanted to buy into. They also believe that the market is lasd by anthusiasts, and view the Amiga as being the ultimate rens at World of Amina were very impressed at the general level of

understanding Arniga users have Amiga OS for all RBD is the number one priority.

and e PowerPC port of AmigaDOS is foremost in Amige International's plans. They want to evoid a split in the Amiga market, and this ideally means PIOS1 and A\Boxes running ganuine AmigaDOS This OS and custom herdware will be widaly licansad Amine International will be strongly supporting the likes of Micronik with their towar systems

"It has truly been the Amiga community that has kept Amiga alive ** Petro Tyschischenko, meneger of All

There are no plans to release the Walker They do not see it as forward looking enough, end seem to have little interest in providing stopgap herdware. If, however a third party manufacturer wants it.

they are willing to talk Most impressive is the commitmant Amiga International are promising to Amiga developers Petro Tyschtschenko spent the entire weekend in meetings -Amiga International appear to want to give everyone help to keep the Amige market buzzing and with Geteway behind them,

they certainly have the clout to make it count Gateway and Amiga International need time and gatience from the Armiga community, given that we can look forwards to a real renaissance



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commands sort the PUNCEX and the set digitalests, decided complete etc. pitten to set deditional HD u, CDR-one pitten to set deditional HD u, CDR-one to previously inter the CDP-or unit in previously inter the CDP-or unit device (CDC softward intertain beard - uselfy device (CDC softward intertain beard - uselfy)

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Gateway shake PC World News in brief

Gateway 2000 heve sent shock by thurnbing their nose at Intel

in the spece of a week. On the 14th of May Getewey pulled out of e merger facturer Compag

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TAILS

s?

that the Gateway vision was not competible with Compag's Ted Walt, who is a maigrity shareholder in the company is also reported to be unwill-

rng to eccapt any deal which did not give him equal footing erthar supreme confidence or supreme hubns Ted Wertt foilowed this up with a scathing attack on the Microsoft / Intel duapply. This move is viewed by the industry as being quite extre ordinery in the light of Gateway's regulation es a major proponent of the Microsoft vision and their class relation-

Ted Wartt implied that he did not consider the current 'Wintel' duopoly to be healthy for the industry or good for the customer

Durmo his speech at the PC Tech Forum m Burlington, Californie he stated his belief that an OS should be a much simpler system, e front end, a navigational

tool" that allowed users to get on with their work rather than tied them up in OS specifics. He want on to suggest that users on everage spend 27% of their trme tweaking Windows95 Wartt



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sible, functional and effordable

pomputars factors he believes

are often last in the rush for mno-

vation. In the light of Gateway's

positive norses about the Arriga

OS, specifically prersing its affr-

crency and friendliness, and their

statement that the Amiga buy-out

will' strengthen our intellectual

could do to persuede Amrge own

strengthened their economic posi-

spilt. The news sparked a jump in

SSS S75 during heavy trading, 6

milion shares changing hands

Epro Merketing are to publish

Panin Cattanr's technically excel-

tion with the announcement of a

ers that they share a philosophy

In other news Gateway

exchange and a 3 for 1 stock

share value from \$61 377 to

property positron." it is herd to

see what more that Gateway

A1200s on sale!

Wizerd Developments were salling new Amine magic packe at the World of Amine show, These were some of the first new Amiges to be sold to the public since the colleges of Escom. Amine Internetional era plenning on petting their remaining stocks of A1200s into retall outlets as soon as possible. For the full story of the WOA show check out the full report starting on page 12. Wizerd can be reached on 01322 527800

Buddha Meets Catweasel

Jena Shonfeld of Individuel Computers and Oliver Kastl of Eleborate Bytes have teemed up to produce the Impressive Cetweesel plus Buddhe cerd for Zorro II systems. The cord has all the functionality of the Catweesel reviewed leat month and 3 buffared IDE Interfeces. The softwere peckega includes CacheCDFS and cleims to headle ali CD drives, herd diaka, CD changers and removeble medie including IDE Zip drives.

Micronik Super Amiga! Micronik ere releasing the infinitiv 1500 Z3 tower for the A1200. This comes with the new Z3 board which has fully A4000 compatible Zorro 3 alots and video elot Most impressive is en A4000 CPU elot, which in this case will be populated with a PowerPC board.

Siamese Video

HiQ heve ennounced eveitebity of a demo video of the Siemese 2.0 system includ-Inn RTG. The £5.00 video noludes e £20.00 d'scount voucher, so paying for itself if the viewer decides to purchese the Siemese system. Phone HIQ on 01525 2113267 for further detelle http://www.elemese.co.uk

16Gb CD-ROM Epic sign Sony have ennounced the devalmore than sufficient storage for Alien F1 any computer use in the immediete future

apment of high capacity technology for optical discs. The system is based on the development of a holy grail of CD development for years. The system is described as

standard which stores 2 6Gb DVD is already on sale in Jepan as a music end video carrying medium DVD drives will start becoming available as a computer storage medium towards the end of the year Sony view the new disc technology as replecing DVDs for video recording, while the smeller DVD should provide

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about the size of today's CD, but will be able to cerry an entire motion picture in high definition video format, much higher resolution than DVD can menege

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52

Special Rese PD Power ...

lent racing game Alien Ff Epic have told us that they have supplied the author with the trank information he needed to implement realistro rece tournaments. and have encouraged him to produce an arcade mode to balance the "realistic" (read very very herd) mode Alien F1 has gemered rnterest from ell corners since Paolo Cattani sent the demo in as e readers' submission to CU Arrigs, appearing on the cover disks of two other magazines since We will do a full preview of this impressive title as soon as we can get an updata



Here

ng An Order



CD-ROM Amiga Developer Network Goes Online

Filesystem and One of the products of a resurg-Mastering Update AsmWare, the pre-

the Amma, has released maintenence upgrades for their AsimCDFS and MasterISO software packeges expands mtamational languaga

support MasterISO 1 25b adds the popular Philms CDD2600 patible drives for creating your own CD-ROMs. AsmWara makes all of its

upgrades available to registered users online at

fto asimware com. www.asimwere.com, or through thour BRS at +905-332-9207

ing sense of unity between Amma developers sperked at the Amiga '97 show in St. Louis is the Amiga Developer Network, mentamed by North Alabama Society of Amros Users webmestar Wayne Hunt The ADN is now online at www.amiga.org/devel-

oper and is intended to be a con-

tral resource for Amiga software and hardware developers to share discussion, contact information, and new specification mithe Initial meeting World-Wide Amiga's

A European follow-up to the meeting was arresped for the May WOA UK show to be charred by Nava Design's Kermit Woodall Witch CU Amma and the ADN for the outcome of that event.

Amiga Developer Network

Pangolin Releases Free GVP Rescue Open Laser Control Software for Business

The Amiga has always been good for "show control" - being used as the brams behind complicated ight and sound effects machinery Even to this day, Disney still uses Ammas in its thema parks One of the pionaars m Armua show control, Pangolin, has cassed its development for the

Arrige but has also released its Amrga lasar show control software for fraa

Technical support is, of course, lemited for LSD1000, but if you're in the field it's caterily worth a laak. You can download the softwara from www.pengolin com/download html

GVP Rescue, founded by a former GVP enginear is dedicated to just that - looking after your GVP products and offenng repair

services on the complete product ima it also has soma new good onces GVP Rescue will elso repair A1200s and A4000s Contact GVP Rescue at 910-790-3465 or 73143 231@com-

puserve.com for mformation

Pretium 1.1 Released

IDD have just released the latest version of its Pretium personal checkbook and fmances package It's a fully mregrated systam, allowing you to print checks directly from your computer graph money flow and exchange files with Quicken and Microsoft. Money on other clatforms

Version 1.1 adds expanded flaxibility for trecking payments and payees, transaction sorting and the check printing and voiding potrons It's also designed to and is not hard-coded to dollars or pounds

Pretrum 1 1 is US\$54.95 and regumes OS 2 x Pretium is evalable from dealers or directly from IDD, 204 NW 25th Street Gainsville FL 32607 A damo of Pretrum is available on Aminat IDD can also be contected online at www.pobox.com/~idd

ClickBOOM Announces Game Wish L

Continuing its rule as the frontrunner to bring popular PC game titles to the Amrga, CirckBOOM has launched a "gama wish list". allowing Amiga users to vote for titles that they would be interested in buying, wara an Amiga port available. This market research may influence ClickBOOM s future projects, although no speoffic plans have been ennounced other than thaupcommg releasa of Myst for the Amiga So fer over 1500 Amere users have had their voices heard and as of this writing, the list is less than two weaks old ClickBOOM allows up to three votas on env game you choose You can reach CirckBOOM's page et home roan net/--clkboom, or mail them a list of three games at PXL Computers, Box 969, 31 Adelarda St. East, MSC 2k3 Toronto, Canada



GamaSoft Announces Dealer Alliance Publishma's DrawStudio, and is

GameSoft, a growing Michiganbesed Arriga distributor has just "Dealar-Direct Network" to offar special promotional incentives to triles GameSoft distributes Presently, GamaSoft hendles North American sales of LH

distributor of the Finals Development ima of products GemaSoft's contact, Ted Wallingford, can be reached at twelling@pentheon macomb mi u s, or you can telaphone the com-

Legacy To Include Deathbed

New Amiga videotape magazma Legacy will include the senalised video, Dave Haynre's Tha Donthbed Vigil, a video of the last

days in the Commodore offices, in three 1997 issues, and will include hrtherto unseen footaga

Legacy (the first issue will be released in June), will include over an hour of Arriga news reviews, and information in each issua on VHS Plans for European distributron have not yet been completed

taken Contact Legacy at 773-465 5158 volca, or www.xnet.com/~icomptor/leas cy html for more information.

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For Amiga owners who haven't yet signed up to the internet, there's a whole world of news, views, hard-edged facts, end even the dreeded infotainment waiting for you. And now it's eesier than ever to get connected, thenks to CU Amiga's special offers.

veryone may have head of the Internet Dut, freshly, the Army users who are on the Net are in the same and the

Sefore examining what we can do with it, let's explain in basic terms what the Internet is Going on the Internet means connecting our Amigas to a world wide network of computers. The Important words in that sentence are "world wide" and "network". The Internet spreads to each and every country in the world – but don't worry, you should only pay at local.

rotes. The network aspect means that any computer on the Internet care sand and receive information of any kind to any other computer on the Nat. The speed may very, but, from your point of view, there really is no difference in communicating with someone on your stricet to someone string in a shed

In the middle of a blizzerd in the Antarctic "Someona" because the vast bulk of computers on the Internet at any one time are personal computers, just like your Amiga, with a single person behind the keyboard. They've all got on to the internet in more or less the same way.

Omn't is very your deriving to chance

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Just like you, there are millions of people that use the services on the Internet. Even though they may only be connected to the Internet for e small amount of time every tew days. Before we get to gups with the technicalities of the Net, it's important to comprehend its size If we must employ an analogy, it would be that the Internet is a huge, almost

instantaneous post office that spans the world This post office pieces no limit to how many letters you can send or receive, or to whare and to whom you may send them In fact, the post office breaks everything up into tiny

ante latters with the correct Thousands of lotters ere dis patched every second, and the post office' reads the addresses to deliver the letters to the right letter boxes But there's much more to be done than just meiling stuff - there's an entire world of information, services and communication that the Internet has to offer

valuable aspects of being on the Net.

Hopefully the analogy has illustrated what an amazing thing the Internet is, now it's time to delve in a little further.

E-mail E-mail is probably the best-

known application of the Internet, in fact, the number one bonus of getting netted is that you get an E-mall address From then on, you can write letters to millions of people in every country. it costs virtually nothing, and your letters enive in a matter of minutes, rather than

days Perhaps you don't know anyone with an E-mail address? Lots of public services have them. You can write to television

stations, newspepers, magazines (Irke CU Amiga), the Met Office the police, your local MP even the Pope has an E-mail eddress! Closer to home, there are

thousands of Armga users with E-mail addresses. If you don't know anyone locally who can help out with

your Amige problems, or just talk about the Amiga then there is no better way to find someone than via E-mail

E-mail is even cheaper to use when you consider that it's not necessary to be connected to read and writa E-meil. Just link up for about 30 seconds to pick up your mail Than hang up and spand as long as you like composing replies Another 30 seconds or so on is all it takes to send out a whole batch of replies Quite obviously this is more cost effective than actually using the voice telaphonel

World Wide Web

The World Wide Web (or WWW for short) has to be seen to be believed. If you have enness to CD-BOM then it's likely you will have hed a taster of what it's like, with the WWW pages we put on every cover CD The basic concept of the WWW isn't haid to explain, but the sheer size of it makes e CD ROM look like a pimple on a fiv's bottom By using an Amiga Web browser, we can type in an address and, shortly after. yew a document - one that can be laden with pictures, tables, sounds, information entry forms, search facilities, and a very

prest deal more Any document on the Wab can have "links" or "jumps" to related pages or documents - despite the fact they may be in a completely different computer or in a completely different country. In ell honesty, you can find anything you want on the WWW If you're interested in it, simply go to a Web saarch page and look for it And you'll find lots and lots and lots of institutions officially dealing with whatever it is you are interested in, not to mention individuals parsonally intriested in your topic. You'll find information, specifications, home shopping, hints, jokes, and debate All it needs is a click end you're there.



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Signing up with Wirenet

This is your chance to get hooked up to the Internet and save money. For this special offer, we have chosen Wirenet, en Amigeapacific provider with software and know-how tailored for Amiga owners. In fact, Wirenet are the only Amige-specific Internet Service Provider that we know of In the UK - and their service is provisied by U-net, the Werrington-bessed Internet outfit with the distinctive u-net.com tea

a ddraeese Here's the deal, Normally, Internet providers charge for connecting and then around £10 e month in edditional fees. Wirenet have weived the joining fee for CU Amigs reeders - £30 gets you three months service up front. If, et the end of that time. you wish to discontinue the service, you may do so without

on the end of their E-meil

eny further obligation. For details of how to connect to Wirenet. please sae page 9 of this issue. The NetConnect Lite peckage on the CD-ROM in epecificelly teilored to work with Wirenet.

There has never been any thing like the WWW, and arguebly it's the greatest advance the human race has seen for a very long time. You can be part of this and make your own wab pages - than millions of people all around the world can visit them. This is no idle exeggeration, it's absolutely true, and it's there for the taking The question isn't "Is it worth it?", it's "How can I not be a pert of this?"

Other things to do

Internet Relay Chat A more costly but districtively rewarding activity is Internet Raley Chat. When linked up, it's possible to chat to someone here and now or in "real time" as it's technically known it's not limited to one parson, in fact it's normally used by many people on a single chennel. You can telk publicly so evaryone else can saa what you have to say or privetely so they don't, it's a fan-

A FTP gives us occose to the Aniest with its gigolyten of Aniya programs.

tainment value, or to instantly meet a group of like-minded people. The everbusy Amiga chinnel usually has 10-30 people, and someone there probably has an answer to that question that's been nagging you

IRC isn't for everyone though - it's assy to lose track of time and run up a considarable phone bill if you use it amough Many people who use IRC limit their visits to the weekend special retes, and budget for how much time they may spend chatting on it. As with all Internet activities. you can use IRC at the same time as using any of the other espects of the Net

File Transfer Protocol You can send files up the WWW but it's

not ideally suited to it. Why do we went to get files? Well, wouldn't you like to lay your hands on any itam of freely distributable softwera for your Amiga? There's the Aminat of course - you've heard us talk about it. Then there are regular commercial CDs containing the recent additions to the Aminet, Imagine being abla to search on entire several Groabyte archiva and download any of the hundreds of thousands of items of software after reading in-dapth descriptions of the packages written by the authors?



A laternet Ruley Chat (IRC) lat's us talk to amony other people at the name time, in real time.



A Harmsgroups are woodpress things flore are Amiga specific ones containing theusands of articles



A Suen here in Vayager-MG. The bottom frame contains the documentation for the NotConnect package. Right-mouse-click over this sed select Year Frame Fall Window for is no in-dupth paids to the suftware.

Downloading is ectually really easy with a File Transfer Protocol progrem, or FTP for short Evan if somathing goes wrong when downloading the file, it's possible to resuma the transfer later on Forget about buying disks from PD houses or trying to get software off your friends, if it's Amiga its freely distributeble on the Aminat, even if just in demo form It's an incredible resource that clearly sets the Amiga spart world's largest eichive of fraely distributable software on any platform and it's all

Amiga Seys something, doesn't it?.

Licence News

This is a kind of cross batween IRC end E-mail People write messages into a 'nawsgroup' Anyone else can scan a newsgroup read its messages and post follow-ups. There are thousands of people reading popular groups with hundreds of poetings. So things don't get lost newsgroups use an intelligent threading method, so that messages of the same topic appear grouped togathar it's only

NetConnect Software

rer CD-ROM this nth le e special

Lite' version. Please note that this free version does have a couple of limitations:

Your version of NetConnect Lite will expire after 100 days

on offer to CU Amige readers, the liversion of Active Software's letConnect Lite costs £44.99 normal price is £99.95). Sut you

our lirsit but costs £20 to reg er), or the chorewere versions he E-mail, FTP and WWW cile



▲ Once a mostle se not enough at GU Amigu? Well, one web aits at applated every few days with the latest up-to-the-minute news.

necessary to scan the topics and enter those that

interest you Massages can be posted to severe There's no need to manually post to each news clients will allow you to sand a messaga to several groups News can be read/written online or

offina it can still be ouickly read online because only the subjects of the messages need download-Ing the full articles are only downloaded when you choose to reed them

All of the postings of particular groups can be entirely downloaded - so that it s possible to go offline, read them at your laisura, and reply at length without wonying about the cost of phone bills. Again, going online is only needed to post replies. The Amiga is extremaly well represented in Usenet. The groups inside comp sys emiga includa audio, datacomm, graphics, hardware misc, marketplace, programmers and so on The full name of misc would be comp systemina misc but Arnige users often abbreviate this to csa.misc. As a forum

comp sys amiga hardware is probably the bast area for help on Amiga hardwarereleted issues that you can find it's filled



▲ The search function is AmFIP in involuntia for aparching the Aminet.



participants in groups from alt comedy british blackedder to york psy chology course with alt ty babylon 5 and alt fan tonya-herding whack whack whack somewhere in-between

Modems

Now you know what's in the Internet for you what does it take to get on? Simply put three things together a modern, some software and an Internat Service Provider (ISP) account Moderns ere actually the simple part By and large they're ell the same, although they do have varying speeds, depending on the cost, and a biended modern does fend to be more

reliable to a degree, as you would expect. Modern stands for Modulator DEModulator and, put simply, it converts binery computer data to sound, which can be transmitted backwards and forwards along a standard domestic telephone line The bottom line is that the faster the modern is, the more data it can move over e telephone line in a given time, meaning you need to be on the phone for a shorter time to send/leceive a given amount of data Faster moderns are cheaper in the longer term so cutting back on expanditure in this sies is largely a false economy

The only kinds of modern we should moderns. The higher those numbers, the

faster a modern is for example, a 14K4



▲ Boo't worry that your windows don't quite look like this, this obst shows a beauty contemined MUI system. This wrodow in Vayaper a configuration which will also send to be obseed so it works 180%.

for an Arriga thankfully, are the internal venety which plug Into PC mternal slots Any external modern is guaranteed to work unless It's known as a "Windows modern" specifically rather than a simple windows compatible modern. A sepal lead will come with any modern and, again, will plug directly into the rear of every Amiga, bar a CD32 In the past, there were various ins end outs of getting a modern to work Nowadays, things are much simpler and them's hardly a modern available that does n't have a suitable configuration. If you went to be absolutely sure that no problems occur, you might like to consider picking up a modern from Active Software who guerantee it will work with their NetConnect software Ther prices on 29KB

and 33K6 moderns are highly reasonable Given the modern is powered by the AC/DC plug-pack that's plugged into the Arniga via the provided sensi port, all that's needed then is to plug the machine into a phone socket. Also provided will be a load from the back of the modern which will plug into the phone socket. You may want to buy a double adapter so that a phone is plugged in at the same time. But you will need to ensure that you don't go picking up phone calls at the same time as the modern is online, however as this will

phone on the modern then as it switches off the handset when online

Obtaining NetConnect

Depending on whether you have the CD or floopy edition of CU Amras, the way to install the provided Internet software differs If you have the CD-ROM, all that's needed is to run the NetConnect Installer Inervie the NetConnect drawer in the root of CUCD12 Skip to the section on installing NetConnect Readers of the floopy disk edition will need to obtain the CU Amiga 'Lite' version of NetConnect softwere from Active Software Highly compressed it still needs five floopy disks, but Active Spftware will send the package at a cost of only £1,50 including postege and packeging. See they advertisement on page 108 or call Active Software on 01325-352260 There is another option and that is to use a modern terminal package to download the CU NetConnect Lite softwere from a Bulletin Board System (BBS) These are Amices. not on the Internet but connected to a modern permanently so you may dist in and use their system. For details on how and where to download the software from sea the coverdisk mstructions on page 9 Be warned at 4Mb in size, it can take up to half-an-hour on the phone to download, and longer with a slower modern. How you choose to obtain the

software is up to you Installing NetConnect

After chokens on the Instell NetConnect icon, you will be prompted for the components to instell. All of the check-boxes will be checked Leave them like that unless you already have a working MUI 3.7 or later installed, in which case uncheck this box MUI is a system for drawing protrain GUIs and most of the components in the NetConnect package utilise it

Next, you be asked where to install the NetConnect package (t will automatically create a directory called NetConnect so



as only necessary to choose a hard drive at least) in the same manner, if MUI is checked the installer will elso ask where to put it. Again, any drive that has enough Space is edequate

After much copying from either the CD archive is obtained from elsewhere), the installer will finish by running the AmiTCP preferences program. If this doesn't not being available, regest having checked the MUI box. At some point the installer will esk if you'd like the start ber to be activeted from WBStartup We recommend you say "yes If you like, you can always disa the NetConnect loon out of the Workbench WBStartup drawer lefer

Thankfully, you've only a few simple tasks before you can get crecking on the Internet First, select the user page by Assuming that you heve obtained the account with Wirenet, you will have elready negotiated e so-called hostname You can choose this yourself, eithough Witenet may esk you to change it if it conflicts with any others. Put this hostname

into the box marked Login Name If we were Joe Bloggs end we've argenised bloggs' as a hastname, we'd put bloogs in this box. Next up is the password given to you by Wirenet. Keep this to yourself of course, and type it very typing here. Now put your E-mail address in If our hostname was bloods then our address would be <user>@blooms u-

net com, guite a trendy-sounding

Select mets to lostal in Nee the help for explanation on each stem. Y Provider configuration files V (2017)27/19 ¥ NUL 2.7 Abort Sastall

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A Laft: the NetConnect restaller first asks which components we'd like to install Right: seat, where we'd like to install it. We'll excel at least 100% from on that drive, it's a bly prekage!

address <user> cen be whatever we like, Mr Bloggs would probably choose pas@bloggs u-net com being the great innovator that he is. All that remains is to fill in the real name box end then the

dans. You might like to try a reset now Hapefully your Amige will reboot with an Internet Dock start bar appearing on the Workbanch Eech of the icons activetes mejor functions. If you larget what they do, simply leave the mouse havening over one without clicking it for a few seconds and MUI's help bubble will come to the rescue. Before we get started, let's just Microdot II E-meil and News package

E-meil is really important - with it you can salely receive the CU Amiga NetConnect mailing list! From then on we can help you with any of your other probchoose General Settings from the settings menu. The first pert is easy, just make

sure your real name is correct Now click on Network on the left correctly -- but you'll need to enter your password. Check on the delete mail from the server check box, meking very suit your E-mail address is correct in the same way we mentioned before if you're not sure of the setting of a box, doublecheck it with the screenshot at the battom of the page, the settings should be the same epart from your specific datails which are your pop3 account password and E-mail eddiess

Finally, dick on the left-hand signatures roon. Type your name here (end enything else you like), and this will appear at the bottom of every E-mail you write

Browse freely Now what would an Internal suite be if it

comes with the bullient Voyeger-NG browser - currently one of the two most capable browsers on the Amiga Voveger is especially important as it has in-depth documentation on all of the elements of the NetConnect peckage. All you need to do to run Voyager is click on the Globe in the Internet Dock start bar

First of ell. V will be split into three

frames. There will be wey too little of the blowser to view the documentation properly. Move the mouse over the bottom documentation frame (not over the NetConnect picture) and press the right mouse button A Frame Operations manu will pop up right under your mouse button Move up and select View Frame Full Window Ah, now it's much easier to read

the documentation It's here well leeve you as there's no point in going over what is already documented in great detail

inside NetConnect's excellent Web manual, complete with pictures. Wa highly advice that you take time to study the vanous espects of the package and hope to sen you on

NetConnect mailing list very soon! Met Bettinson

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are are included for any Amigs. (OVER 18 ONLY)

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AGA EXPERIENCE 3







LIGHT-ROM CD-ROMS









What Went **VVrong?**

It's hard to believe the Amiga was born as long ago as 1982 - when the dream emerged quite literally from a dentist's surgery. But ever since then, it's been bounced from one parent company to enother, in a crazy, nightmare roller-coaster ride, with huge ups and long, long, long downs.

ing lights in the Amiga scene for their views on wrong How come the most powerful and affordable computer ever designed isn't on the desk of every man, women end child on Was it down to incompetence. or was it gread? Or was it down to sheer bad luck?

e asked several of the lead-

1982

The year was 1982 and the Atan VCS was the Nintendo 64



of the day nvaders at home

was making companies zillions o dollers whilst, in the UK, Uncle Clive was prepenng to post us old folk the first 16K ZX Spectrums Meanwhile, in Amenda three demasts



their white pockets, and wanted to make en investment in the infant video games market. Hi-Toro, which later (thankfully) changed to Amrga and took on and Carl Sassemeth

▲ Uscle Chye's ZXET: Built with the mess market in mind but locked to take off to great numbers.

Code-named Lorreine (named after the wife of the Hi-Toro president) was the ultimete video game consolo in development, feetunno state-of-the-art custom



A 1993 com numerons celeasus: Mettel's Aquarius, the Atari 900L... meanwhile, Amogs Inc were husy...

chips to provide unimeginable graphics and sound. In Silicon Valley while Amige built toysticks as cover, the Amiga Inc. team got busy. However as the video geme boom

.......

feded the killer games console started to grow into a computer a disk drive here, a keyboard there. Some parellel and senal ports, and e modern were added to achematics. There was even a herdware PC emulator and digital telephone enswer

Why not save trouble and make the America totally PC compatible computer to Jolyon Relph: 'At the time it was the only choice the 80x86 femily did not offer a protected made 32-bit memory model that

wasn't until the 386 CPU that Intel finally hed e processor capamultitesking OS, and that OS didn't appear as e mainstream PC operating system until the



The choice of a Motorola processor meant PC compatibility was never going to be easy Was the 68000 e mistake? Jim Hawkins: 'Not really Motorola chips are more elegant and in most cases deliver a lot more output per input Apple still use badly at present they still have substantial merket share. Users don't give a toss what's in the box. They want applications.

1984

Although the custom chips hedn't been finished and only existed as huge breedboards of stock chips and winng, the heart of the machine was ready to be shown et the CES Show in January 1984. Although hidden behind a pertition, visitors passing alimpses of an amazing machine, the

unlike anything seen before Unfortunately the video game

...... market was failing badly. Even Atan had mede a few expensive mistakes (such as the ET cartridge in the desert escapade) and been bought by an ex-Commodore Business Machines employee Jeck Tremici But Amige Inc was also in trouble, and need external Investment. The declsion to graft computer interfaces to the onginal Loriaine looked like being a lifeline

After a lot of fun end gemes with Atan. it was finally Commodore who stepped in at the last minute with the money neces sary to complete the project. Amage inc. gould continue development



1985

Commodore-Amiga made some changes to the Lorreine ithe modern vanished, .. memory was doubled to 265K and double sided disk drives included as standard). but in June 1985 the Amiga 1000 was leunched at the Lincoln Center in New York, with the aid of Debbie Heiry and Andy Warhol it was amazing

Gone was the pretence at games mechine, this was a workstebon - before the term existed. With a unique modern PC-style case which could house an exter nal keyboard undementh and that special coloured tick bedge, the A1000 looked



A Cled to be eray? The all-similar, all-prophic Armen rands the CS4 look secrent

..... special There was a two-button mouse a 14MHz Motorale 68000 processos, 256K memory expendable to a whopping 512K, and a graphics display which could not only be genlocked but also offered a dezzling 4098 colours on-screen at once And as for the operating system, no-one had seen a graphical orientated multitasking interface like it and the digital sound end speech synthesis made the current 286 PC look like a joke However, sancus errors were already being made

Jum "The cour outblem goes right back to 1985 and a failure to seize the high ground for business and 'productivity whilst paying lip service to it. We know from people who were at Apple at the time of the Arniga launch that Apple thought the Amiga was going to slay them As soon as they saw that Commodore were helf-hearted about the "serious" Amige and thought they could clean up much more quickly by promoting the Amiga as a C64 on rocket fuel, Apple and presumably IBM relexed and went about meking lots of money Commodore ended up with a machine that fell between all stools and was consequently hard to

market to just about enybody. In the States, they gave up on the gemes and business and and effectively hended it to NewTek to sell lots of Video Toesters, fly minute Lock'n'roll successes The UK ruthlessly targeted fourteen year old needs and sold a lot of A1200s to their mums and deds. The Germens used the higher and machines, presumebly to design BMWs in



▲ in the UK a £400 diseas garren muchine, in the US it neld lots and lots of Newlek Video Teasters.

1986

The Amige 1000 was cool but it was also expensive Work started on the successor. the A2000 Two teams, one in America and one in Germany had designs, but the German A2000 version is the one that succonded. Was the management at

Commodate interested in the Amigs, or in the money it could

Jim: "If we assume that the ganeral hardware and OS conception were good, then there's nowhere alse for blame to rest then with Commodora US The Commodore Board and CEO seamed to misunderstand lust about everything, and they did it with

amezing consistency. They had a very good hardware and software development team, and in their anxiety to chase the nearest buck they steadily allowed the Amiga's head-start over the Mac and PC to be eroded.

There were other forces at work too not least the growth of the PC compatible Jolyon doesn't lay the bleme solely with the Commodore bosses Jolyon: "No, tha Commodore management wasn't entirely to bleme It was because of the ment of Microsoft by Bill Getes that all rival

Evan the once-mighty Apple is now a mere shedow of its formar self, despita doing all the 'nght' things - edopting PPC technology early, anhancing the operating system, keeping up with modarn technology and making their

machines affordable Gates has twisted the world market into his model so successfully that if the computer doesn't run eil the Mrcrosoft

applications than no-one wants it As Tego Kinnunen points out, a lack of software didn't halp

Teijo: *Tha mensgament contributed e great deal to the failure of the Amiga, but there were probably other factors, too, like the leck of senous business software and support from meny major companies."

Tramiel was a sole loosal, and tried to regain control of the Amiga

by cleiming in court that the

Amiga was developed with

The legal challenge lailed

1987

The A2000 and A500 were launched The A2000 came in a huge box with many internal expansion slots. In response IBM-PC clone it was even possible to fit a special "bridgaboard" and use PC-style expansion cards

The A500 was launched in the UK on the 12th June, and did away with the expansion slots (besides a 'trapdoor' memory and an expension port on the side) to form a complete, single box unit It sold for E587, and against its deadly rival the Atan ST it looked over-priced but extremely sexy.



A Commedice's market share-warring bundles.

Jolyon: "Commodora lost too many good

paople towards the end to Scala, to 3DO

end to sovone else that would pay them.

systems suffered

A Commedees so Atari: a regular apat

1988

1989

40JUH

The Amiga's unique custom chips were upgraded slightly to produce the Fat Agnus capable of addressing twice the amount of Chip RAM - a stunning 1Mb But the Operating System was slow in changing. Why was it stagnating Jim: 'It was strangled The last lew years of the Amiga saw a steady focus on the stupider and of the market, and since most games were throwing the OS away

anyway, why spend money on WB4 0 ?"

Microsoft figured that as they had a captive market, everyone would have to catch up with new hardwara, and they wera Nowadays, the minimum requiraments

for an operating system, if it is to be taken sariously, ere disstically hother than before Thrings such as networking, quality

printing, disk recovery/repair, support for latest ganeration devices, object-griented layout for development - all these things are taken for granted in a modern OS.

The America OS is so fer behind on all these things that nothing bar a straight rewrite would remedy the situation and if we're rewriting AmroaOS, it might be a good rdea to remedy the design flews in the low level architecture (particularly graphics/inturtion), and start from scratch

1990

Overdue it may have been but the A3000 was launched complete with the all-new and 68030s. The A3000 was the first 32-bit Amina and came nacked with features. A SCSI interface as standard, the ability to use standard SVGA monitors. It was fast, aleak and many Amiga users today still rate it as the best Amiga ever mada

The CDTV also first saw the light of day At a staggering £699, the CDTV was a 1Mb A500 and CD-ROM player in en time it may have been, but "overpriced

and lecking in software" is what rt was described es, and it sank hombly (Existing Amiga pwnare Jim: "The CDTV was rushed

out to beat CDr. It should have hed AGA and fast RAM and a faster processor. But it was enginamed to a price that dictated an under powered mechine. But it was in many other respects a far better unit than the CD32. and with more money but in could have been successful. Still it was no worse a disaster than CDI, and a hell of a lot cheeper



A Black and sary, shorted Communiors. It's systpriced and the noftware's wrong, said averyone also.

The A500 ceases to be (although the A500Plus appears as a "limited edition" for a short while) The A600 was launched for £399 It was cheaper to make than the A500 (using Surface Mount technology) but offered less expansion and lacked a numano keyboard. Three months later the pince of the A600 is drapped to £299 and a lot of users are very unhappy Jolyon: "The decline of Commodore was

the fault of top management. They were fanatical about making Commodora e \$1bn company it was their dream and they totally disregarded all other business decisions to do this. They amployed more people, they went after markets that they didn't need. They scrapped their most successful computer ever (Amiga 500) end then they released a new model (A600) that no-one wanted *



FEATURE

1993



A A4014, A2280, A600, A500, A2401, A384+. A1200 ... woold you hallow the market was partured?

Rumours of new chipsets were pertiy proved to be correct, with the launch of the A4000 Featuring the AGAs 16 million colours, the A4000 was the first Amiga to use the massively powerful Motorola 68040 processor elthough a cheaper 69030 version was also available. Exciting as it appealed, the A4000 was far from perfect though Jolyon: 'The A4000 was originally

designed as en ECS Amiga, end the A2200 and A2400 were designed as a cheap replacement for the Amroe 2000 which wills too expensive to build. The A2200 would have had two Zorro slots, the A2400 four It was a mid-range machine designed to sell for e few hundred gounds, with the Amrox 3000 remaining

of AGA the A2200/2400 board was hacked to molude the AGA for early devalopers These wera meant to ba called the A3200/A3400.

although only A By Christman 1893 the the A3400 was ever made miany quantity It was never intended as

e production machine, only as a small volume test computer system for games developers. The dissign was lousy, the chip RAM bus was slow, the CPU card system was the sama as on the Amiga 3000, which meant the CPU couldn't access motherboard memory at full speed there was no SCSI, only CPU-driven IDE which killed CPU parformance during drive access - a total disaster for multimedia

But this didn't matter because it wasn't intended for production, just for a few games developers. The real machine was the Amrya 3000+. This was besed on the A3000 motherboard, had AGA, fast SCSI. had the new DSP technology for sound and modern, networking, and fitted in a

Unfortunetely, in one of Medhi Ali's less clever moments he decided that the

A3000+ would gost too much and sciapped the project, leaving Commodore with no alternative but to go into productron with then cobbled-together prototype system - the Amiga 3400, or as it's now known the Amige 4000 "

Jim: "It was a dire design controlled by a PC-onentated head of engineering, it looks hamble compered to the A3000 When it was unveiled to a bunch of developers including me at Merdenhead we simply couldn't believe that they'd left the SCSI off. They managed to achieva some appelling hardware tirning problems. It was hornbly expansive. And to produce this they ditched the A3000+, which was a preat design and would have been the first perfect internet machine. As usual, we could see the American technicians and software support people trying to praise if through gritted teeth; again, they have been ignored, patronised abused, and generally treated like gerbaga. That only good thing to be said for the A4000 was that it was a bit fester than the A3000. and hed AGA " The Christmas market was lost in confu

sion, as the A1200 started to appear on shalves Outclassing the A500/600, it was the machine to own - if you could find one The A1200 was one of the best Amiga's ever designed, taking the A500 approach but cRAMming in as much as possible A 68020 was fitted as standard, the IDE interface was now starting to look like a good rdea, and the new Workbanch was showing Window's users what a bit of intelligence and some custom hardware could achiave

the games houses would rally round and

save the day through the CD32 actually

they mostly said "goodnight" and bought

1994

A miracle of cost control, the CD32 was so very nearly a world beatar Ridmo the second video game boom wave, it could have bean messive as it included the internals of an A1200 and a double-speed CD ROM drive of a sensible price. However, no matter how much Commodora depanded on it to change their fortunas, success was not

Jim, "It was never going to ba It was a last-ditch panic by the management very silly cost-reducing design screw ups They know that only the CD32 could save



names thereas would mile round it."

confusion between senous and silly thet started m about 1005

had some

Commodore menapament really believed

when news of the Playstation was leaked. reachad its last act with CD32, which was too little

Jolyon: "The CD32 hadn't been out long and people warted for the PSX or even for the N64 * In March, Commodore admitted to finencial problems, linked to poor sales and their disastrous foray into the PC market. too late, end

more PCs

In April steff were laid off Finally, Commodora want bust, and the Inquidators moved in Proceedings were based in tha Behamas for "legal reasons"

atch

1995

TUR

After a long west and a lot of rumours, ESCOM purchased the Amiga They greated Arrige Technologies, and A4000 and the rastart of A1200, Both machines appeared in limited numbers by the end of the year, and for once it looked as though

..... things might be going right for a change Jolyon: "AT were a nees bunch of people, but three people working m a hut in ermany can't resurrect a computer system as fer bahind as the Amiga was They were given a difficult task. Sall a computer that's three years out of data for £100 more than it originally cost

nto a market where no-one's develop-

ing games for it any more Frankly it's a testament skill that

many.

1996

After financial problems, most of them associated with a huga and rapid expension of High Street PC shops, ESCOM go bust in July Viscoip make known their At a cress conference in Toulose, they announced their plens to support the Amiga computer and to use it as the basis of an Internat-friandly "set-top" box

- Time Line 1982 Lorraine concavad 1983 HeToro formed and Louisine is dasigned as games console that can ha expanded rate computer
- 1984 First showing at CES Haidwain specs moluded 256K RAM, and amazing 4096 colours on-scraan at once Amiga bought by Commodora 1985 Launch of Amiga 1000, New York,
- June 1995. 1986 Work starts on A500 and A2000 1987 A2000 and A500 (£587) launched in Merch (Spectrum Plus 3 goes on
- sale for £250, Atan 512STM in £399) 1998 A500 piles cut to £499 (Atan 512STM is £299, A2000 is £1250) 1988 MusicX released Viking graphics card and monitor offers a 1000 by 1000 flickeries display in four
- colours for £1700 512K memory expension for A500 rs £120, HrSoft BASIC is launched, and it Commodor# A2620 card (14MHz 68020, 2Mb RAM costs £1615) 1990 A3000 launched, Video Toaster goes
- on sale AMOS released 85Mb hard drive costs £999 1981 CDTV on sale (£699) 88030 eccelarator for A2000 costs £499 KCS
- Power PC Board (a hardwers PC amulator for the A500) is £299 1992 Amion 600 launched (£399, price drops after three months to £299) 1993 Amige 4000 Isunched, A1200
- launchad. 1994 CD32 launched, Commodore go bust 1995 ESCOM buy Amiga
- 1998 ESCOM go bust Viscorp attampt to buy Amiga 1997 Viscoip fail to raise capital Gateway
- 2000 buys Amlga 1988 Getaway 2000 take the Amiga to naw heights and conquers the world. Or maybe not l
- 1999 World ends as grant mutant star goat ests antire Solai Systam

1997

More delays, more rumours and worse to come. Viscoip fail to get the capital together to buy the Arnige. What went

Jim: "Possibly because the web of biobly complax inter-company rights and ownerships set up by Medhi All and others to protect their intainests made it very held to go forward. Possibly bacause nobody In the USA ever had any idea how to sell the Amiga and still hasn't "

After another delay, it is announced that the new owners of Amiga echnologias are Gateway 2000, a PC clone manufactures. What are they going to do with a machine which hasn't been developed since 1994?

.....

Great Failures

Commedom have had more than their fair share of disasters. The CBM64 was such a hit, they seemed to be under the imp end C128 proved otherwise The Amiga A500 was a terrific hit, and sold more than any other home computer ever. However, the huge delay in upgrading it (remour has it CBM lost the plans to the custom chips and had to re-engi-neer them from scretch) and the eccentric CDTV didn't do them any favours. The CDTV was leun se e multimedia machine, and use of the words "Amigs" or "home computer" were banned. The high price and bizarre marketing pollcies didn't help, but se sales of the CDi prove, no-one really wents e hi-fi style box with pretensions.



Many thanks to the following for eir time end effort. Apologies i ese whose opinions we hed to trose wrose opinions we had leave out des to lach of time, age and for legal reasonal ijo Kinaunen: auther of the emier Amige music programe,

OctoMed and SoundStudio. Jim Hawhins: veteran Amiga developer, maponsible for many developer, majorisable for many Amige and CDTV projects. Jolyon Reliph: Amiga programs of all trades, from demos to commercial applications.

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An interview with Eric Schwartz

Eric Schwartz made his name in the lete '80s as one of the Amige's most innovative enimetors. Life, the Amige end Eric heve all movad on...

> CU: How did you first come across the Arrige and what prompted you to create your first Amige animation?

ES: I've had an interest in the Amiga quer since computer magazines coverod it in 1985-86 Back then it was the only thing that was considered to be a "graphics" computer, Il already had a Commodore 64 et the time) so my curiosity was naturally aroused. This eventually led to my parents getting me an Amiga 500 at the very end of 1988 At the time, my ded was plessuring ma to consider something "IBM-compatible" but hes since changed his mitted I wanted to create enmations immediately but it took a while to get the right software for the job (this was the time of Dosint III. I created my first enim "Stealthy Manoeuvie" shortly after buying a thennew piece of software called Moviesetter The rest is history

I plen to remain with the Amiga until my needs outgrow whet it can provide

> CU: Was the Amige your first enimetion medium, or did you have any previous experience with more traditional enimetion techniques?

ES: I've been hasely into animation exist airco. I has greeped the concept. I have touched on such parelegistes as flipbooks and super-8 film, and I did many could east year that the could east year that the could east year that the could east some very printive animation softwar for the CE4 (all graphus for the entire animation to NIX series). The Amilga bon had to fin to NIX series in The Amilga.

inally allowed me the freedom to produce some quality work and fuelled meny improvements in style and technique. I'm not as good as I'd like to be, but I'm sansfied with how I've progressed over the past eight years.

CU: Name a couple of your favourits anims and tell us how long they took you to complete.

ES: It's haid to pinpoint specific animations that I would call my favourites, but there are several that tend to stand out The Flip the Frog certoons, Amy vs Welker 2, Anti-Lemmings and Aerotopis such as Gulf Conflict and Unsporting seem to hold up pretty well, even considering most of them are five years old or more I have a special soft spot for the Sebrine certoon "Plight of the Artist", which was released on my CD-ROM (see review on page 70-71), meinly because it took the most time and effort to make You didn't specifically esk but I consider my worst animation to be "At the Movies" - it doesn't quite pull off the jokes in the way I intended.

The time it takes to do an animation vanes a lot. Anywhere from six hours to six months. Most of what I consider my

better works could have taken between a few weeks to a few months, depending on length and complexity

CU: De you often look back and wish you'd changed bits eround or are you generally happy with your finished animations?

ES: I m usually pretty happy with an animation by the time it is finished. A lot of my older stuff looks crude to me now, because my abilities (artistically and technologically) have grown over time.



A Thore's a self spet for Sebrisa in Schwartz's heart.

Computer satup: A4000T, With 18Mb, Vieb Motion. Tocatte, Cybervision 64, extre sailal & parallel ports, big hard drives, and stickers on It.

Also in the place there's an A3000, A2500, A2000, A1200, A500, A1000, and a CD-32!

Interests (other than Amiga): Model-building (almost abandoned). drawing and cartooning in general. Oh, yes, I own two pet chinchilfas, and have become a hobbyist chin breeds - although not necessarily by choice.

Successes: Probably the biggest personal success is winning one category of the Italian Bit. Movie contest (a prestigious International computer graphics event) anough timas in a row that they asked me to take e break for a year.

consider it history though, and I probably wouldn't rework them even if I was given the apportunity

CU: Where do your ideas come from? Have they come in dreams as with Bullfrog supremo Peter Molynaux?

ES: Not that I know of Ideas have come from all sources and are pretty much random, from observations to suggestions from friends. Usuelly, most of my ideas tend to stew for a while, which is probably for the best, as it. improves a good idea weak ones

CU: Whare do you draw your inspiration from? Who ware your cartoonist role modale?

ES: I've elways been a fen of the short cartoons of the forties and fifties, especially the work of Warner Bros director Chuck Jones Over time I ve drawn inspiration from television animation such as Betmen, Animeniacs and the rare Birtish show to appear in the S such as Dengermouse I'm more taken with animated movies and shows that are numous more than just artistry or technical proficiency. To give an exemple, a avounte Disney film of mine from the last

As Hellowcen approaches. remember that a reserved epproach to costuming is usuelly I'm a fairu the best. princess ballerina Power Ranger Salor Scout! This year, Try Darkness.

4 He's inspired by rostones that are check-fell of personality

few years was A Goofy Movie, a low-bud get film which I found more genuinely entertaining than their big musical specta-

CU: Tall us how you put together a typical Amiga animation. ES: The way I creete enimetions has

changed over time but starts out with an idea, which is refined into a number of layout diewings and a rough storyboard to decide how the animetion work itself will be done. Then the enimetion drawing commences, usually with the Disney Animation Studio software. I've done the actual drawing work several ways over the years, from diawing directly with the mouse to using a pen tablet or even draw-

ing on the monitor and tracing it Nowadays I usually do all the drawing on punched paper and scan them. Once the line drawings are in the Arroga, I'll colour them with a

paint package like Dpaint, Bulliance or Personal Paint If, like most of my work, it's a Moviesetter arum, I'll break the erums up into separate images and food them into Moviesetter to create the aftimbiush-like 'sets". The sets and beck-

ground images are put together with sounds in Moviesetter to cleate a finished enimation Movesetter is an old piece of

software but there's currently nothing else with its capacity for efficient hobbyst sumstion

CU: Have you ever tried 3D and if so how does it compare to drawing in 20? ES: I view 3D as just enother tool, similar to the way many animation studios use 3D so they don't have to produce difficult

diewings of vahicles and inenimate objects to use in 2D enimetion. I tend to



d Dixery Arientico Strafin provides mest of the

puefer the look and freedom offered by 2D enimation. For example, it's possible to create images in 2D that are impossible to recreete in 3D, because e three-dimensional object has limits

CU: It's possible to create 3D models to create animations which look exactly as if they were drawn in the traditional 2D manner. In the luture, will you create your cartoons entirely in 3D?

ES: I tend to prefer the inherent freedom of 2D animation, but anything is possible. Currently, I don't have the skills in Lightweve to produce good cheracter enimetion, but I may try to produce some experimental 3D works.

CU: Will you be with the Amiga right 'till the end and where do you think the machina is headed? ES: I plen to remain with the Amice until

my needs outgrow what it can provide 1 heve 'outgrown a number of systems but raigly have I run Into a situation where I couldn't get by end never have I hit a problem that required a PC or Macintosh to solve I have worked on an A500. A2000. A1200 and currently use an A4000T (with CD-ROM, Jez drive, Visb Motion CyberVision 64 1BMb RAM and 3 Gb of storage). I look forward to PowerPC or whatever becomes the next Amiga. Interview by Jason Brown

111

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Welcome to the lend of Amige entertainment. A spooky multimedia CD

head to head, en interview with the author of TFX end the chance to see any game you want on the Amige!

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Previews

Wendetta

■ One for release: Late May ■ Developer: Vortex Oesign

■ Oistributor: Islona © 0500 131 486

eoele come up to me and ask "Andrew with sak and ask "Andrew with sak and sak "Andrew with sak and sak "Andrew with sak and sak "Andrew with the mine the me and the sak "Andrew and the sak "Andrew and the sak "On yeah with part of the me the water and the sak "On yeah with part of the me the water and the sak "Andrew and the sak "Andrew and "Andrew and

balliantly rather than 3D wirech requires the kind of horse power the Amige is herd pressed to provide (kind of). Wandotte mixes old style 'sprites and scrolling screens garnepley with the psoudo 3D tunnel effect familiar from meny a demo. And it looks absolutely formissing.

Wendetta spends most of it's brie as e horizontal basis in the mould of Fraxion, RType or Project X. The difference is that the fornastic AGA graphics make oil those germes fock primitive The distance stack in the standard swirting assault waves, but the ships are all beautifully rendered qurckly and very smoothly Every add level or sa, Wandatta bursts into 3D mode es you fly mto e swirking tugnet, enemie

es you fly mice is swring tugnet, enemies spraning end spreizing es they hurtle towards the screen. The often craft here are all pre-rendered so they spin and soom of the same time without any loss of speed. Promismo fest end furious.

action, two player entries, and srifly amounts of fire-power, Wendertte looks the business. But does the old fashraned style of gameploy survive into the modern era? If you don't want to rush and buy an import from Werrd Sprange to find.

act of the follow later against consumers.

out now, you'll have to wart for the full review next month!

Trapped

■ Oue for release: Mid May ■ Oeveloper: Oxyron
■ Oistributor: Weird Science © 0116 2340682

m going to spare you tha 'they said it couldn t be done' cirché It's reeled out every time ony Amiga game comes be done Breathless Fearless, Gloom and Alien Broad 3D proved Trapped is just another narl in the coffin of a scepticism that was buried signs ago On the other hand things like 3D levels complex texture maps, full light sourcing, lens flare, unique 3D objects, all moving at a good speed on a ton's worth of acceleration is surply

out of the Amma's graso

Wong With coders life those who have been many community who needs 3D graphics chips? OK, so those coders and a 3D graphics chip, now you're talking, but until games start coming out supporting the CyberG. 3D graphics library on the

upporting the CyberGL 3D graphics library on the Cybervaion 3D card, you lil have to be satisfied with the likes of Trapped is a fairly unusual piece of soft-

were in the Doom clone world it aschwas the standard guns and blesters model for a slower more thoughtful game of swords and spells. That's right, Trepped Isn't Just an every day Doom clone it is a fully fledged. RPG with a Doom engine. Think



Dungeon Master meets Genetic

Species
There is of course
plenty of lighting to be
done Assorted bandrs, bugbears and
bets faunch themselvos at you and
unless you are quick
with your trusty steel,
you'll see your own
blood streaming down

the screen in no time
Thora are plenty of
the standard sort of
puzzles but Trapped contains o

puzzlas but Trapped contains a lat more depth than that There are much more complox puzzles than normal for this sort of thing, a variety of potions for you to collect, and a complex and unusual





spell costing system. Spread over 13 levels, Trapped looks fice the kind of game which could keep you glued to your screen for a long, long time.

Andrew Korn

ClickBOOM Wish List



e the

ClickBOOM authors of the Amiga's top bestwhen we would start talking about what these new PowerPC boards can do for garners, then you'll be glad to hear that ClickBOOM and phase 6 have announced co-operation Alexander Petigvic of ClickBOOM says 'We

computer lies in PowerPC processors Furthermore, we believe phase 5 is and will continue to be, the Amiga hardware leader Therefore, we have selected Power Amige as our future platform of choice

The first game to get the PPC treatment will be MYST, but the exciting bit is that with the power that the PPC chip offers, ClickBOOM will be able to expand their policy more than capable of coping with - MYST

of converting the best that other platforms have to offer There are plenty of titles out there that the Amiga in its present state is and Conquer and Monkey Island 3 are others whole thing is blown wide open, with market leading titles such as Quake, Tornb Reider and Duke Nukem 3D all suddenly becoming



With this in mind, ClickBOOM have published a 'wish list' of games they would be interested in licensing end want to know what join the multitude voting direct from the Click800M web site on http://www.click boom com where an armazing 1500 votes were registered on the first day Of course lots of you don't have internet access so to save you the trouble of posting to Canada, CU Arnige Magezine is taking votes for ClickBOOM Just fill in the form below and post if to us. We'll send the whole lot over to ClickBOOM. If the incentive of being able to play the vary best games available on your Arniga isn't enough, the excellent folks at ClickBOOM are giving 3 copies of MYST and 3 copies of Capital Punishment to 6 lucky voters

ABRICA	Your chance to vote for the future of Amiga gaming!
WINICH	of Amiga gaming!

ı	ANTHUGA						
i	WILLIAM.	of	Amiga gamin	g!			
i	3D Lemmings	3	Fife	a	Screamer 2	0	
i	7th Guest	a -	Grand Prix 2		Settlers 2	J	
ŕ	Albion	a -	Hexen)	Simon the Sorcerer 2	J	
ŀ	Battle Arena Toshinden	Q.	Indy Car Racing 2	a	Tekken	Ш	
ķ	Battle Islu	3	MDK	a	Terminal Velocity		
ļ	Civilization 2	α.	Mech Warrior		TFX	-	
Ļ	Commund and Conquer	a	Mortal Kombat 3	u	Theme Hospitul	-	
Į	Dark Forces	3	Monkey Island 3	ū.	Tomb Raidur	0	
I	Daytona		Need For Speed		Ultimu VIII	_	
١	Descent		NHL 97		VF		
i	Dieblo		Red Alert (C&C2)	0	Warcraft2	=	
i	Doom		Putty Squad	3	Wing Communder 2-4	j	
ı	Duke Nukem 3D	Э.	Queke	_	Wipeout 2097	-	
ł	Earthworm Jim	3	Resident Evil		X-Wing & TIE Fighter	-	

Just place a tick next to the three gamas you would most like to san on your Amige and post this form (or a photocopy) to: ClickBOOM vota, CU Amiga Maagzing 37-39 Millharbour, lale of Doga, London, F14 9TZ.

_	_	_

Marbleous

■ Price: £7.99 ■ Publisher; Islana/Epic Marketing © 0500 131 486



ful nowar stams and find your way out to the exit. Once that is done it's on to the action is sami-con

trolled by yoursalf using the mouse to salact the direction in which you want you want the ball to traval. All this has to be done fairly quickly as the ball continually rolls as soon as the gama starts or you will witness instant. destruction when you hit tha sides of the walls surrounding tha

Allamativaly, you can put down stops the ball from moving, but only for a limited time

that is. Some of the levels contain electrical curiants, holas moving platforms, the usual stuff that annoys us tha most Luckily if you ra a bit slow like space-bai to pause the game at any time and work out your next strategy The good

news is that once you

hava completed several levels you are given a password, so you can you left off after you've given your head going back to the beginning non-

sense that many games have adopted lately The only one thing I found a problam were the mousa con-

trols - they were a bit frddly and annoying at times if you've played any puzzla gemes on a computer you'll know how ultra-Irustrating they can ba so frustrating thay can make you want to And, at other times, they will make you purr with satisfaction whanever you va cracked a difficult puzzle of course Most times it's worth gatting past the irritatingly difficult bits just to achiave moments of real bless and satisfaction whenevar you kick a



gama into touch I parsisted with I haven't always liked puzzle games but this isn't a bad buy for £7.99 For that you get a hafty one hundred levals of brain-tickling fun. If you re looking for a addretive puzzler look no further then this Bloody marbleous it ain't, but it is a bit crezy, quita tax Ing. and thate are far far worse things to spand your money on Merk Forbes



Mega Typhoon

■ Price: £7.99 ■ Publisher: Islona/Epic Marketing © 0500 131 486

hen I sat down to play Mega Typhoon, my ini-'Hey, someona's decided to np-off the old C64 shootam-ups that I used love playing!" You start your mission with a lone starfighter with some very puny lesers. At this stage it's still

got a vary handy set of lasars with which you can take out just about anything moving but you'll have to set your loystick to autofira Whila Mega Typhoon is a typical vertical shoot-em-up, you can move a kitle to the laft end right while picking up soma usaful

axtia lasar powar-ups, missiles, homing missiles side shots and axtre lives. space bar which activetes a smart bomb waspon that affectively wipes out any opposing enemy ships in the





got to gnps with what's going on

it s on to the next world. As I said

reminds of some old C64 shoot-

em-ups from the old days, which

However, the game's title screan

blurb claims that Mega Typhoon is

aarlier, Mega Typhoon still

isn't necessarily a bad thing

are gatting here is a sharewara game with a larger cut for tha authors Is the Amina player gatting his money's worth? Sorry, but I think not. Mega Typhoon is an avarega game that hesn't raally much to offar the already saturated shoot-am-up genre, Which is a shame because we all know that the Amiae can do so much better than this Instead, check out a CD-ROM game called Wendetts. which is also from Islona, and which is prayiewad on page 38 of



BOPRINT 5

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The Hidden Truth

■ Price: £24,95 ■ Publisher: Sadeness Software © 01263 722169

First came Women of the Web, and now Sadeness branches out into the Fortean. Weirdness of the Web. anyone? Or would you rather see an Epic Encyclopedia which has been positively possessed?



A The Hidden Testle a custom, frame-based front and a nathen stylish HTML design.

here is a saving that if you geve au infinita number of monkeys au infinite number of keyboards, they would eventually write Hamlet As someone recently pointed put to me, the Internet proves them wrong Instoad they mostly produce web sites about

The Hidden Truth is a collection of these web sites. Finding your way through the massas of paranormal rubbish to find tho good stuff is hard work not to mention a strain on your phona

tero priore gullery you'll find signifi-

A Grandice cards make a real difference - the ignat shows a 256 colour AGA display Too many colours!



sell abductees to the 'implent" into a web searchar and silicone comes a poor second to all those monkeys whose random tvotno has produced tales of unwholesome expenmentation by pallid, extraterrestual,

> That was the idea bahind their controversiel Woman of the Web CD top, although "UFO" or "ESP" or "Mysteues" brings up merganelly less hits on a search engine than typing 'Bebe' or 'Snx' or even "Celaboty" If you tned WOTW.

> cent changes in the presentation of The Holden Truth While WOTW took the images and presented them in a visual databesa system designed using the web page

languega HTML (Hyper Language), The Hidden Truth actually presents full wab sites the way we do in the WWW saction of our CUCDs The presentation is excellant a strongly designed menu sys-

tem allowing you to negotiate your way eround the larga collection of web sites

As well as web pages covering everything from abductions, elien (the 20th Century equivalent of demonic possessron) through to Zata Raticulli, homeworld of tha Grave, there is a very nice gallery of UFO photos and a page full of film and sound clips. The subject metter strevs pleasingly around films, sol fr. unusual meteorology end space technology all finding their way into the melting got There is enough here to keep an iutriasted reader going for a VERY long time

Presentation

One sies I looked at closaly was the tachnical presentation of tha CD, which I felt seriously lat down Sadeness' previous effort, Most Internators have Macs and PCs and are better cetared for on the web browsing front, with grephics cards and easily available players for ell sorts of anim and sound formats WOTW seemed to rather ignate the Amige user, with no support for movie clips and the choice of CybergraphX at a worth less 64 colour PAL mode for AGA pyvners. Sedeness hava taken these complaints and done everything it can to eddless them, and I heve to command the company for doing a very good job of it

When you click the Hidden Truth icon in the Amiga draw, you era presented with intuition requesters offening you a choice of screenmodes covering OCS, AGA end CybargraphX users, a

choice of number of colours, and finally the option of displaying in grey scale. When you have gone through this simple procedura you have a demo varsion of AWeb 2 1 up end running in the screenmode of your choice Proper configuration of external viewers means that you can now click to yraw AVI and MPEG animations straight from the browsei the way you should, and WAV fries of all sorts can be played equally easily. still have reservations about the presentation, but compared to WOTW thase are more quibbles. Choosing AWeb could be defended ou the basis of its stability, but rt doas leave AnimGrfs unvrawabla, eithough you could usa your own web browsar The other quibbla would beyo to be that Sadeness has dasigned its menu pages on graphics-card-based Amigas and hasn't quite got them to sue AGA machines. There are just a few too many colours, and despite the use of a utility for optimising pen glebbing tha pages can get a little massy on 256 colour displays Neverthalass. rt looks good, it is absolutely pecked with data, and although a grephics card makes the thing run a whole lot better, it is actually well worth using on AGA which



WOTW simply wasn't

Andrew Kom

The Epic Encyclopedia of the Paranormal

Price: £19.99 E Developer: Epic Marketing @ 0500 131486



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been such a success it's spacky Doing a special version on what is a very fashionable topic seems like a logical step and as

rasearches can find, the simultanaous relaase of this and Hidden Truth is just a waird comcidence In complete apposition to the Sadeness disc, this one is entirely a custom approach. Whila I m. sure there was plenty of research done on the web all the material

in the encyclopedia is written specifically for it and is presented m a strict ancyclopedic form, rather than the World Wide Web enarchy of the Hidden Truth Instead of wandering randomly about, finding your way by luck more then judgement as with the Sadeness CD, you look up what you want to from an alphabetical list, and can even do searches to lind the topic you are after

On start up you are presented with a variety of options. You can check out a sirds show of assorted images, or if you have a brt more mamory you can watch a multimedia presentation with music and a volce-over Once you have tired of that you can enter the encyclopedia proper, which is JFOs end Alians or Tha



a. 8 growty (and, ales, sementus comedy) voice greets see as were visit each section. This is Uf Do and Alieus.







A very painted and professional fourt and system. Navigation is easy red the andgets are very well thought and laid out.

Unexplained an odd choice which can lead to some hunting around for the entry you are looking for Salact a subsection and you are offered a subject specific multimedia demo or you can anter into the Encyclopedia propai

Polished end

Its front end has bean poished up more appropriate to the disc it. but a welrd bug in the display lematical, if your resolution is 400 pixels deep you can't click on the useless. You can cycle through the vanous images, play sempled

sounds and voice overs or new film clips from the click of

The taxt appears, in a rethar cramped form in a box at the bottom of the page with e couple more gadgets to view it in a much pasier-to-read form on a full screan page with mouse controlled scrolling The multime dia button, such a blessing on tha

full Encyclopedia, is

missing. This was a huge bonus on the main CD, but its absence is not much of a problam. With a lot less entries to ciam in, you won't fmd yourself struggling to find anything to look at. The wide verlety of entries are covered in reasonabla depth. Film clips m. particular have improved, the film icon lighting up fai more often than before with a good selection

The contant of this disk is rethau populist Although open minded on the subject, I don't like to see pseudo scienca presentad as fact with no dissenting voice. and there is far too much of that in this disc. Of course there is even more on the Sadeness disc the difference is that with the wab stuff on the Hidden Truth, you know that helf of it has been written by kooks enyway

Misinformation

Any Encyclopedia claims authority and accuracy and should therefore be sure of its fects. In a long traditron of encyclopedias of the paranormal, publications raraly bothal with sciantific accuracy or balance, as their audiances wouldn't accept that there isn't stantiel evidence that a UFO creshed in Roswell or that there have been less planes and boats

then off the Coinish coast. This

CD falls firmly into that catagory Forget the encyclopadia tag you won't learn a thing about the real world from this CD. It's hare entirely to intrigue to fire the imag ination and to thrill. Which it does with its billiant, presentation. I'm just not sure that it does the requi tation of the non-fiction. Ecic

branded Encyclopedia any fevous They are surprisingly different and you wouldn't faal you had wasted your maney if you got both. As a rough quide, Fortaan Times readars will love the weirdness of the Hidden Truth, while readers of the less sceptical Encounters maga-Epic offering to their teste. Andrew Kom

PARANORMAL

2. CD ROM AGA. 4800 RANS. Sarus features require EMIs

Reach for the With the Amiga conversion of TFX under

his belt. Charlie Wallace now has a few questions left to answer...

Name: Charlie Wallace Ana: 30 Occupation: Garna programmer. Biggest Successes: Worms and TFX

CU: How did you gat into computer gamas davelopment?

CW: I sterted at school when I was 11 writing games for 8-bit computers and started doing magezine listings. I was then approached by a small publisher and went

"There were two real problems with the Amiga version: speed and memory"

> CU: What projects dld you work on bafora TFX?

Early game compilations like 100 Games for Your ZXB1 At Mr Micro I was lead programmer on the PC version of Berbenen and worked on Arriga and ST Elite - my Introduction to the Amiga Aftarwards I worked for an ercade company designing and building arcada gemes. It gave maeasy access to video oame ROMs allowing me to do conversion work easily

I wrote demos and shareware for a lerge Amiga demo group. Lenioved working on the Amiga, it was a rafreshing change from the PC. A friend in the group had interviewed at DID and had told them about me, and sp off I went to do TFX Amiga After that I worked on EF2000. tery stuff that I can't talk about.

CU: On a visit to DIO a long time ago. wa were told the PC original was written in C, which would be ported to form the core the Amiga engine. Surely speed would be a problem in this case? CW: TFX was written mainly in C, with around 30% in assembly language. Using SAS/C on the Amiga I ported over the C.



simulating e lot of the PC function cells

That geva ma the ability to use the naw

get more speed out of it. We tried as hard

as we could to make it playable on the

CU: What was your level of input on

CW. I was lead programmer and did most

of the work, alongside Russell Payne tha

came in to finish off the project, because I

designer of the original 3D engine and

eventually loined by Steve Monks who

had to go and work on TFX for the SGI

CU: What problems did you ancounter

during its development?

code from TEX PC without having to

mised that code

bese A1200

Amiga TFX?



plexity. At the end of the project we ware looking for a few kilpbytes here and there

rewrite the MSDOS specific parts. Then I CU. Why was Amiga TFX not released? portad over the 80x86 code to 680x0 CW: Opean felt that the market wasn't From that I went through and hand optistrong enough when it was finished It was up to them to ralease it. We just wait-Most of the development time for the ed to bear I moved to Team 17 and am Amiga was spent trying to get it faster, still warting. explanna new eventure, copper tacks chunky to planar and sp. pn. I also had to edd more assambly than the PC version to

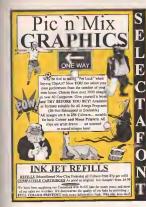
CU: With major technical innovations in TFX; texture mapping, shading, the virtual cockpst... Ware you pleased with it? CW: I was pleased with everything but the speed. I'd have preferred to have spent more time on it but we couldn't I did kaep working on it after I left and started to make it Workbench compliant so it could run on SVGA monitors and special graphes cards. We had a lot of plans for it, but they were scuppered by the opinos on at Commodore, it does look nice against other Amiga flight sims. I was plaesed that wa kept the flight model as close the PC version as possible. In fact it had some improvements ovar TFX PC as the guy doing the model had more time to wark on it end sort out a faw problems. We also had the feedback from the PC owners and could make changes here end there.

CW. There were two real problems with the Arriga version; speed and memory We had a game that was meant to run in

8Mb on a 486DX66, that we wanted to run on a 68020 with 2Mb of Chip RAM. The speed was just a question of profiling/rewriting and hend optimisation of even the compiler generated code. The memory was herder. We had to drop a few feetures some of the worlds weren't quite es complex, sample sizas were reducad, and we had to cut down on object com-

CU: What are you working on now? CW: I m at Dreamworks SKG Interactive

working on the Last World Jurassic Park If It's a very complex system and we're raally pushing out on this ona It's already being called a Quake killer There's more information for your readers at; http://www.trespasser.com.



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ps Central



Taking over tha tips halm from long tima officiando Matt Broughton, this month wa walcoma Mark Forbes with mora chaats and hints, while Tony Gill is on hand to answar all of your advanture game conundrums.

Super Stardust: **CD32**

Teem 17 We start off this month with a few old CD

relaasas Teem 17's Steve Heley has given us some wonderful godes for Super Sterdust! Here we go

ZZZZZZZZZZZ - Lovel 1 (Tons of Liveal) BESUAAAACEY - Level 2 (4 lives) CBSUTAAAGDG- Lavel 3 (2 five s) DESUSUARNID - Level 3 (5 ilvas) EDZZZVZSKGP - Level 4 (3 lives)

RoadKill CD32 Acid Software/Guildhall Leisure

This next lot of codes come from no less than the Guidhell Leisure game tester Georga Brey Take it ewey Gaordy b Level 0 - LOPONTONJO Lavel 1 - LOPONRHCNM

Level 2 - LOPONUPOCK Laval 3 - LOPDNTMECH Badlends Maga Smash - HQPOCOCENT

The Clue CD32 Neo Software Productions

Hannes Sorfert of Neo Softwara very kindly geve me quite a few codes for the CD version 290272, 030873, 145367 823264, 253153, 569875 0208074, 361791 477321, 786186

Kang FU CD Amiga/CD32

Great Effects Davelopment All da way from da Netharlands, Kang FU had some nice graphics, but sadly naver seamed

to make much of an impact. Oh well, here are WALLY, BONGD, KLASS, LONDO, RIKEL

Castle Kingdoms Mutation Software

Here is en exclusive cheat for Castla Kingdoms from Mutation's knight in shining armour himsalf Mi Adnen Cummings! If you pause the

ton on your loystick ell simultaneously you can ectually skip through all the castla's lavels with

Tommy Gun

Mutation Software A big thanks to Adrian Commings, the men behind Tommy Gun, for providing these very Paradisa laland - 442244 Fairground - 887377 Shy Fortress - 835000 Space Mountain - 730098

CyberPunks

Core Dealgn

Yap it's Adrian "lick my boots" Cummings with enother useful chast! Corr, thanks Adnan! While playing, try holding down the the fire button on your joystick simultaneously The screen will flash end pressing F1 to F5 for all the missions, while pressing 1 to 4 on the keyboard salacts what dack you want Pressing A will give you a sentry, while key S gives a party shiald and Die robot Zi X and C gives you diffarent weapons. Finally, a quick

Tiny Troops Vulcan Software

Paul Theny chesty ' Carrington of Pienet Vulcan

knowly nave me an excellent cheat for all the levels to be played or skipped in Tiny Troops All you have to do is gat to the selection screen at the beginning of your game and then click in the top left hend coiner of the screen, and now if you type any 2 digit number (ie 09) or 28) you'll be able to play the skdy plus levels no problemo

Minskies The Abduction

Binary Emptions/Gulldhall Laieura Thanks to all the boys end girls of Binary

following halpful codes for Minskies At the very first level called Boo Cake, typa SPIRAL and you should see the screen flash. This will activate the level skin and you can now play any lavel on any difficulty setting! Enter the word FOREVER just like before and you will heve infinite credits to play with!

F-15 Strike Eagle 2 Guildhall Leiaura

If you still fancy yoursalf as a reel Top Gun like Mr Brey of Guildhall does, then you will heve to press CTRL, R and ALT simulteneously than your ammo will be constantly replanished. (Tony) When are we gonne get our mitts on

F117A: Stealth Fighter **Guildhall Laiaura**

While starting the game, choose to run a strike mission but this time don't give your aircraft any all to ground missiles. When you get a ground target within range press 7 and U simultaneously and the leight will have been

Hillsea Lido

Vufcan Software Paul "the illogical Vulcan from planet V" returns vet again to share with us this great chost for the only seaside simulator in existence. When you go to seve your game usually using a function keys, pleas the Help key instead and you'll get 1000 smackers!

You need help pal! If you need help on any game, or you have some tipe you'd like to share with your fallow randers, write to Tipe Central at the following address, marking your anvalope Adventure or

Arcada accordingly: Tips Central. CU Amiga Magazina 37-39 Millharbour. lale of Dogs.

London E14 9TZ.

Zak McKracken

am going mad with frustration, as I can't find do find it, how do I use it as there is no one left to teach Zak? Please Help!

Neil Cethcert, Heleneburgh

The white erectal is conveniently located - on Mars! Oh dear, not your day is st? The exact loca tion is inside the Crystal Chamber. You will need someone else with Zok as the partle cannot be saired on your own. One person presses the button on the small has white the other erahs the crystal. 43 you need to be pretty quick on the keyboard to carry out this task, I snegest you use the game's fanction keys option to help you more faster.

You don't need anyone to teach you haw to use the ervisor, you samply use it alone with the other crystals in the final section of the game Inside the Earth pyramid.

Eve of The Beholder II

stuck on level 2 of the Priest's Temple have opened all of the doors apert from one that requires a special copper key I have searched everywhere for at Please can you tell

me where it is? E. Winnett, Bochdele.

There are copper keys all over this part of the name. One is to be found by searching a bed. another is dropped by a priest when he is killed, and yet another is found in an okove which is reached by smashing a black statue and pressing the secret brition which is hidden behind it. There are another couple of copper tooks on this floor which do require special coppec keys, hat here I have both good news and bad news for you. The had news in that there is no key to be found for these locks. Gloom? However the good news is that a thief can nick these locks should you be lacky enough to have one in your party. You will of coarse also need a set of lockpicks, but I'm sure voo'll have no trouble finding some of those.

Dreamweb

ve killed Crane and Sterling, and now have got as fer as peining entrance to the Sartain Industry building using the code number from Edan's cartnige However I cannot gain entrence past the computer in the entrance to the building What em I supposed to do?

R. Smith, Emeworth





Well perhops you are trying to be too

cleves. I've never met o computer vet

that didn't respond to a smack in the

mouth? Try using Ryan's gan on it and then see if it stell wants to stop





von. Computees will only take over the

world if we are too stupid to think of smashing up their power supplies. Secret of

Monkey Island I'm badly stuck in this game as I don't know how to get a crew. Can you help ma?

Tony Oldhem.

The first person you need to recess to start forming yone crew is the presoner Yon'tl do that by grabhing lots of mugs from the bar. Use one mug on the barrel of grog then make a run for the jull. As the grog melts the mng you can transfer the liquld to the next empty mag. You can use the nasty grag to melt the lock an the cell door. You can now recruit the Swordmustee into your crew. Next up is Mc Meathook from the house at the top of the Island. You'll need to use the embler chicken on the wire to get there. Talk to Meethook, and then he prepared to tackle a marderous winged devil to andve the terr

Leisure Suit Larry II

You must help me! I'm only threen, but I have had my Amiga for 5 years now and have completed many games in the Quest series such es Poince Quest and the Leisure Suit Larry gernes. Now I'm having problems with Larry II as I can't find the boet. The only screen you can even see eny ships on, is the screen with the Scurvy Dog Bar on it.

Merk Cook, Norwich

Look laddse, we are not talking rocket science here, there is no problem to solve, you simply have to wolk at the right direction to find the ship. The location is in the lower-right hand section of the mag where there is a man standing behind a gate. Go south from the Scurry Dog to the Borber Shop, then east to the gate. Simply show him your ticket and you're on your way to san, sea, and something else beginning with 'S' that I'm certainly not going to discuss here.

Flight of the Amezon Queen

I recently not Bloht of the Amazon Queen and I have come to a complete standstill I have just opened the door guarded by the dog and (

have a file, blueprint. baseball bat, journal knife comic book, flower, vacuum clean er, money, Chease Brtz, doo food and a lighter

Chee Kies Lee, Cumbrie.

Well I'd stoy away from that dog for n start, as you are nawhere neac ready to deal with it. In the room where you found the letter you con also find n sageaky toy in the fact tocker. From the faver you ean move northwards into the library where there is n phonograph (that's n record player to you). Play o record and this will reveal a secret elevator Move south from here and then read the letter. It's a "Deac John" letter so who better to give it to thon John who is guarding the corridor. Hoving read the letter, John will be in no state to stop you moving past to find an office where a guy called Henry le waiting.

Simon the Sorcerer I have been playing Simon the Sozcerer for five

weeks and it's very head to pick up the axe so will you help me? Also, what do you use to get down the hole on top of the dragon's lair?

Luke Sykee, Huli

Pechaps the reason that it is hard to pick up the axe, is because you aren't sapposed to! There is a woodcuttee who wonts a new axchead, but there is no axe to pick up. What you need to do is use the metal detector in the icy wastes to find a rack which you can take to the blacksmiths and use it on on owil to discover a fossil. Give the fossil to the palaeontologist and that will make him move to the lev wastes and start dirviar. Now you'll be able to find some magical ore amongst the duri which the fossil hunter throws out of the hole in the ice wastes. Take this ore to the blacksmiths awil to get a new axehead. That's what the woodentter wonts!

As for the hole in the roof of the dragon's lair, well you are going to need the rope and the mounet from the wizard's house, pins the hoult from inside the dwarves cave.

heve ly then

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We've got kit and loads of it! This month we take your Amiga over to the 'dark side' with a range of hardware and

software to extract usefulness out of IBM PCs



Larry Hickmott, the Amige's word processor end DTP guru, checks out Softwood's Istest version of its classic Amige word processor.

Siamese RTG

You've seen the preview, now it's time to check out the moredible Slamese RTG - Amiga screens in a window on a PC? Wowl

PortPlus

Duel sensi and perallel port expension for the A1200 but without using PCMCIA or the trapdoor? Find out where it fits, here,

Burn It

The latest Amige CD-R recording softwere checked out in full. This one does Drsk-At-Once mode for proper audio mastering.

Amiga-PC Links

The ICS Gemini system and Waird Science's NetworkPC both let

you share files between a PC and Amiga. Which one is best

Accelerators

A dup from Power Computing. The Viper 1230LC 42Mhz 4Mb unit

and an eltra-cheep 4MB RAM card are put under the microscope.

62 Topolino

Fency one of those flash Logitech thumballs from Dixons? You'll be needing a PC mouse adapter and oddly enough we have one here.

Insert 104

Just in case you want to use a PC 104 keyboard on your Amige, the Insert 104 will let you, is it worth the hassis? See for yourself.

Air Mail

The Intest version of a long standing E-mail package for the Amiga is it worth the money or are PD equivalents better?

IDE Zip Drive

It's finelty here. The IDE version of the fentsetic 100Mb lomege Zip drive, Andrew Korn checks if it works as well as the SCSI version.

PD Scene

In PD Scene this month we have the most decensed game the Amige world has even seen in 'Kick It'. Don't believe us?

PD Utilities

Holy cow! More free utilities and the best and worst of the Amig productivity scene including a CD file system that works. Hoorey!

CD-ROM Scene

Just the thing for that CD file system, lots of Juicy 600Mb CD-ROMs to stake your CD drive with. Eric Schwertz gets a look in too.

Art Gallery

Mervellous pictures from our extremely and extreordinerily telented reeders <groyel> Please keep it up so next month is just as good!











Final Writer 97



■ Price: £49.99 (upgrade £19.95) ■ Developer: Softwood Inc ■ Supplier: Softwood © 01773 836781

So it's perennial and has been around for years. Perhaps that's what makes Final Writer 97 one of the Amiga's finest word processors.

p far this year, we Amiga enthusiests have received many pleces of good news and the release of this upgrade is no less ipypus Final Winter 97 contains a number of significant new features including linkable text frames, guides to help you elign objects, improved text flow around objects and the ability to

move objects a pixel at a time Before t leunch headlong into a review of these new features and give you a feel for what they let you do I d just like to let you know that reviews of earlier versions (and therefore other features) can be found in these back issues. September 1996 (Final Writer 5) and November 1995 (Final Writer 4),

Back to the mam plot of this review and Final Writer 97 The

What's missing After so many years of After so many yaars of development, you must in development, you must wonder what's left to do in Final White. Wall, there are a few things still missing and most of them involve yraphics. Speeding up EPS printing for these insisting on using structured graphics would please many and introducing a picture frame tool so insupus could be ced onto the page in sition and at the size paired. The way Final iter remaps colours in **и images ак уни с** ick to its screen from bother, is still there and suld do with fixing. The fility to view pages side by side would be uneful new that we have linked text frames and let's he in the next version we c rotate the text frames.

first point to make is to state the obvious and mention the sight neme change. Gone are version. numbers and in comes the year the upgrade has appeared, makmg the title sound more "PC" like I won't hold that against Softwood though because this version has more than just a fancy name

All change

The most significant of the new features is one called Text Frames Finel Whter has for meny years always let you add single blocks of text and with the help of some Affexx scripts, let you create fancy titles and sp on, but linkable text fromes is all new

Let's start by looking at a bit of history first. Most word proces sors whether they are graphics or text based, work with fixed columns that ere created using attributes that you can enter mto en appropriate requester defining the number of columns, their size and so forth. These fixed columns can hold text but cannot be picked up or resized and so on In previous versions of Final Writer this system was used Before this version, any text outside the text column had to be placed in Text

Blocks or Tables This differs greatly to a DTP



A Final Writer 57 housts many new features like linkable text frames and pull down gundus making it u trau document pokirskur sad simost u desktep pakirsking peckage.

program where text is typed mto imkable text fremes and you don't have such a thing as fixed text columns in Final Writer 97, you heve both text frames flike a DTP program, sort of Land fixed text columns

Now this is a good thing but with power comes complexity of use and text frames in Final Writer 97 are not as straight forward to use as they could be started off by pastrng 600 words

A Moving from cell to cell can new be does vis the herbeund umen medifietffetern ber combinations.

were fixed in this column I then into 8 text column and thesa stamped the text tool down on a blank part of the page expecting

Compression and Compression of the Compression of t

to create some text, but found instead the cursor artting inside the fixed text column Once I had entered some text, I was able to move the text block to the blank part of the page I had set aside for the text frame. This is fine and dendy if there is no text in the adjacent text column

but if there is, you'll find vourself typing away in the text column in emongst the text already in there As you can see this could lead to tricky situations if you have meny full pages of text because on each page, you would have to go to either the start or end of the



A Afthrough not now, we obsolde't forgot many of Final Writer's other great features like HTML support for those web freels not there



A Text frames ellow you to place text anywhere on your gone and link their frames on the same uses or acress other pages. The text feamen can also have fills sed burders.

page before creating your text frames. One way in which you can work around this is to have a spara taxt frame sitting on your page ready to be used as the basis for new text frames. The reason you need to go to

the start or end to create a new text frama is because if you stamp the text tool down on the page above or balow a fixed text column, you are able to enter your text directly onto the page there-You will get used to it after a

whrle and although Softwood gould have used other ways to do this, these other methods may wall have had their own short cominos. The important point to ramembar is that thanks to Final Writer 97 you now have complete

text.

a I had

thate

ause

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freedom of the page to have as meny text fremes, hoked or othar wise, in which to entai your text, without any of the restrictions of days gone by

Text frames can also be treated like other objects in most ways They cannot be intated, but they can have borders and also solid fills. They can even be transparent and placed ovar other objects like pictures and so on

A guiding hand Text frames may be the major useful for those who are forever lining up objects, ara pull down guides. These are implemented

new feeture, but one of the most the way all guides should be, in that all you do is diag down a guiding line from the rulars and



A Whoe it comes to hong on elements or your page, pell down guides are a real time saver as well or being nimple to one.

a cipile rice of a salari B. of the color of the C. of the color of the C. of the color of the C. of the C. of the color of the C. of the color of the C. of the color of the C. of Final Writer 97 Text Fra Text Bloc FR B A First Writer still returns meany of its parties features like text blocks for lines of text that

can be resized and used for two catching bendings.

then use that to align objects They work well, really well and it's a crying shemil that all programs don't have these

The guides can be used to halo you elign things by eye or if you prefer you can turn on Snap to Guides so objects locate with your pre-drawn guides for easy elignment if that isn't enough, Softwood has also implemented a function allowing you to move selected objects with the cursor keys This type of function was very welcome for me, especially as it isn't normally found in the majority of Amiga programs and it's vary well it implemented in

Final Winter Keyboard movements

In version 5 we saw the introduction of Tables and in Finel Writer 97, we see a slight improvement In version 5, you had to use your mause to go from cell to cell but now you can use the Ratum key in conjunction with various modifier keys to simply move from cell to cell Alt-Raturn for exemple, takes you to the cell to the right of the cursor while Ctrl Return takes you down a cell. As I prefer to use the keyboard for moving eround documents, this like the other naw functions, is very welcome laithough before I start my celebrations, I'll still have to srt down and learn all the new keyboard combinations)

There haven't been that many changes made to Final Whitei. testement to how good it already is, but the text frames function is e major improvament and probably took a white to implement,

New low prices not Writer, the full

package, has hee a pro-drop, it new dosts only £49.95 while upgrades even chenper. Upgradir from version 5 will set you back £19.95; from version 4 £24.95 and fr version 6 £24.05 and troir any other Softwood product £29.95. All prices are subject to # £3 pastage charge.

which is why thate at an't loads of new features to look at In all, the upgrade is definitally worth the asking pince. With this latest Final Writer not only do you have a word processor you now also have a mini desktop publishing program in my book, that can't be bad Larry Hickmott



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The long ewaited Siamese RTG system is here, promising to enslave e PC's best features to boost the Amige. Sounds too good to be true?

ha onginal Samesa systam was a highly innovative and piactrcal connection system between the Amiga and a Windows 95 based PC compatible Now version 2.0 allews you to view your Amiga screens in a window on a fast PC display and to share files, printers and more

The old version consisted of a SCSI network for shanng files and a video switcher caid, located inside the PC driven by senal. The internel ceble to the PC's senal port is re-routed to the video switcher card and a new sausi D plug connected to the cerd as a passthrough and attached to the PC's video output, wedging the video switcher card Into the serial link between the PC and Amige

Convoluted connections

Phew sn what next? Softwara is loaded onto the Amiga and PC which enables both mechines to

A Here we can see the Worthwork across onfer OTG and PC DISK the parallel agreer's from Natwork PC (page 61)

switch the video as dasired. As you'd expect, the video card has the Amiga and PC's vidao output plugged into it. A video cebla is

provided for the Amiga The single yrdep output is then connacted to a monitor, (if we're going to ba using Amiga native the software on Amrge

the keyboard/mouse input appro-With the software running, the two clients cen new communicate with each other and the vidao card Either machina can now send its keyboard and

idea is that you can now use the Amina's kayboard and mousa or the PC's dapanding on your praference Bunning the Amlga96 cliant on the Arniga givas a little Windows 95 style task bar Click on the Windows logo to switch the video end keyboard/mouse input to the PC which has an Amiga style front-to-back con in its own task bar Click on this to rayert to the Amiga screen with

mouse input to the other Tha

priately being sent to the Amiga The system works remarkably well. Only one monitor, one keyboard and one mouse need to be on the table. Yet we have full access to both machinas. Of

course the next vital component is being able to share files. The original Stamese system introduced a SCSI network, A SCSI cable was connected to the SCSI port on a PC SCSI card, into the Amige's SCSI chain, A SCSI hard days could then by accessed by both machines. You just don't gat faster file access then a direct SCSI haid drive connection. It does meen, SCSI all round and a spara hard drive though. Oh and CrossDOS doesn't support Windows 95 long filenames so only the atternets 8.3 frienames are available from the Amiga side This is annoying. For axample anconerfilanama ipeci would turn

into apropa~1 jpe, arriggghh





▲ Even ImageFX is quite happy to work the Siemes the PC in the buckground.

COM port 115200 [imetation].
That as a plen by the company to support the Eyetech PortPlus which also benefits from that serial times. These third party seriel and characteristic and the more importent if the Arriga is expected to go online with a modern and open of the company of the compa

Printer sharing

Fortunetely the Siamese syste doesn't use perallel et ell What ebout a printer? Well you can plug the printer into the PC end eccess it from the Amige Is there enynect together? Alsh but if we're thinking about a second parallel network, the PC's perellel port is used No problem, let's just stick a second dirt cheap ID card into the PC so it's got two parellel ports. Now we can use a parallel file transfer system end a printer, on both machines, yes the allsinging, all-dencing Stamese systern. For more detail on parallel part file shanna, check out the head to-head review of the Network PC and Gemini systems on page 60.

So what else does the megical Signese system do? Oh little triviel things like shelling the clip-



less, HD-less A1260 with Siemese

Siamese RTG Now it's time to look at the RTG

system praviowed back in the Dec 96 issue of CU.

So, whete a this RTC thing?
RTG or Rainsteible Graphics is
the act of re-outing graphics from
their original disentation to another
original disentation to another
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software mode to othis as the
Amiga never aid here a real RTG
system of as own Qbestfragst,
and Financiade a this two opetions of the second original disentation
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A Siemese RTG screenmode is selected and blem, the Amge screen goes blank A window speakers on the PC and the



▲ Holy cow! Do the: Bires screen we've get Several Ansige screens in medicus avec Centre 40 in quite happy to operate via the RTG system!

Faster than Ethernet

The SCSI network is still the fastest PC to Amina network. fastal even that Ethernet. So If the fileneme problems eren't an essue but speed is, this is the way to go. There are plenty of elternetives though One of these is the built-In MountPC function of the Stemese system. This mounts the PC drives properly i.e. PC C/is the PC s C drive Long filenemes are supported properly but since the data goes via the senel cable access is too slow for anything other then infrequent file sharing The performance issue is gov-

sined by how fast the senel connection can be driven. The PC will happily do 115200 boud, aven highai but Windows 95 seems to have some kind of meximum limit in typical stupid PC fashion. The Amiga can do 115200 if your Arrige is a fast mechine, wo're telking 68030 material for reliable 115200 Thoughtfully, HiQ have provided e HiSoft Surf Squinel dever to use the Surf Squirrel's high spend serial port. This will enable faultless 115200 communication There's a driver for the new HiQ whipper PCMCIA senal adeptor also A future plen is to exceed these devices in opniunction with e fast PC serial oard and an appropriete sauel driver (which bypess es Window 95's silly stendard

The Future:

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d other key performent hencing features ere in e pipeline. The obvious RTG data to perellel. This has proved problematic on the PC but is being worked an new. This should give a entratic performance to the control of the control is instruct connection. The ability to restore to the constitution to the constitution of the constitution of the constitution of the constitutions simultaneously. Nestcope on the PC, AmBC os the Amige for example. Work progresses in this erac size. The Siemess RTG system has vary big things shead of it for the tuture.

Arriga's display is redrawn onto it Holy cow! You can even use the the Amea screen on the PC within a window on the PC you can use Amige programs. Things don't behave exectly as they do on the Amiga but the author Paul Nolan

is working on imprevements all the time. The savigur here is that so on, it's pessible to swap to the real Amiga screen if an epplica tion proves deday under RTG.

if that particular application has specifically opened a Siamase ATG screen. This can be done on Waskbench via the screenmode preferences te meye Workbench to the PC Workbench applications naturally appear in the and screen windows can be easily conflied to the Windows task bar RTG screens as the Arrega is gurte capable of doing then we aech neatly named with the title of the screen on the Amige

So one application, say a paint blindingly quick at moving things under the RTG can be run on the real Amiga display. When activating this scieen, wham - the video card syytches to Amige video Well behaved applications like standard Gadtools, ClassAct even MUI, can be run en Workberch or public screen For example MUI has public screen management built in Define a Siemese RTG screen in the PSI screen manager end any MUI application can be quickly sent to the new public

screen to appear on the PC video Flexible system The flexibility of this system is

amazine. You can run all of your Amige applications and individually decide if they are better an RTG. How do they appear on the RTG system? It's e little odd as 1 seid before, firstly the system is

A Kicking burn with the Siemene his I You can son as accomming a CUCO via a pacellet esteach much fester than the otherwise educate MenutPC aspect of the Sisters system.

the PC locally and PC graphics the current level of Arriga graphics cards. You've seen solid window disgoing before but not like this A basic PCI 2Mb S3 Stealth videe celd on a P90 moves winigons do not appear to diag, diswhere they're dragged to Paul Nolan tells us that there s no easy werksround to this yet, though

The RTG system does slaw down if loading actual bitmaps Normally too quick to see GUIs are constructed by a vanety of techniques, from drawing lines, cucles and filling, to transfers of bitmap images. The Institutions for drawing lines, painting and se on are only a few bytes se even vie slow sensi they take no apprecieble time. Since the Windows graphic API is used, a specific video card driver en the PC will support the herdware acceleration, i.e. hardware for drawing lines, painting, blitting and so on faster under Stamese RTG fhan

any Amiga card Really it's frue often integral parts of GUIs this have to be transferred as bitmaps and all this date uses the dead slow senal link When Workbench opens a window, for exemple, yeur the icon backgrounds appeal instantly but the icon pictures the senal rate, the better the inspense. The first PC I tried would poly seem to work at

38400 baud, though enother ran could have been a later version of Windows 95 on the second mechine

Conclusion

If you've got a PC and an Amiga. gi are contemplating crossing onto the dark side and buying a PC, there's no choice. This is your destiny. The Slamese system is so damn good se flexible, so gowerful end so thigh slappingly useful you can not be without it, espefor what's on offer While it mey be elittle tricky to get working you could continue to use the out rapequaly slow low resolution AGA displey, clutter your desk with computers, keybeards and monitors and swee date with 720K floopy disks. Be serieus! You need Siemese RTG naw! HiΩ's number is 01525-211327 so stop reading the review, phone them and buy it!











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PortPlus

■ Price: £99 ■ Developer: VMC ■ Supplier: Evetech © 01632 713185

The PortPlus promises to add two serial and one parallel port to the A1200 without using the PCMCIA or the trapdoor. How? Read on.

s you know, the Amge has a built in senal port which was created before even 9500 baud modems were on the maket. It was remarkably powerful et the time but today's sarsal requirements (such as those of fest modems) have bettered the capabilities of the Amgels 5520 UARTis

Multi benefits

It's not just modems that benefit greatly from high speed senal Pronet, for example has a senal driver that will use any specified senal driver. So will the various senal SANA-II drivers for TCP/IP Internet natworking, puhlaps to a PC or the like, so there are many

edvantages to senel expansion. The PortPlus E-Vetech's rebedge of the Gaiman VAKC HyperCOM 3, though I can't sea whet's wrong with the HyperCOM name it provides two high speed sanal ports each with 16 bytee of FIFO buffer end an additional para sellel port. More about that lete 10 per More about that lete The most innovative espect of the PortPlus is where it file. Al 2009.

have an Under-used expansion port that not meny Arnige users will know about It's the clock connector near the figure drive To get at it. You remove a section of the RF shielding but there's no need to get out the metal sheets. as this perticular part of the shield has been made to be easily removable. All you need to do is to bend up the metal lugs and pon it noht out. Bending the lugs back down flush, you now heve an exposed section of the motherhoerd with a small header which was designed for a real time clock but can handle lots more. It turns out there are dute enough signals here to use it as a fully fledged expansion port

fully fledged expansion port Confused? See the photograph below to get an idea of how it all

Tiny PCB

The PortPlus PCB is thry and it fits the hole parfectly, sliding onto the header it's probably one of the nestest expansions I've seen that wasn't in the trapdoor Plugged into it are two stendard PC slot

A This obsert the PartPles drapped and the hele that's invented after the batch is the BF shield is reserved. It's designed to perfectly lit the hele seed plop sate the clock consecter.



blanking plates. The first has both a 25 pin end of 9 pin sami compector, overhing both beater micely. The other has a 85 pin parallel for the other has a 85 pin parallel for the other has a 150 pin parallel for the other has been paral

by day, but still pricessar. Software is on e single disk. By way of scandalous economy the diak contains the drivers for the full range of Hypec COM products, none of which we've seen before but are alleged to include a Zorro unit. The installer is in German but we modelled through it tune out that all it was going to do wes copy hyper COMS device to devs, so a Finglish translation shouldn't

No parallel?

Did you notice the lack of a paralled divest? We did There sin't one. These sin't one in the poblic owner when you have not not the amendation of the amendation of the Amendation of the Amendation of years of the amendation of the amendation provided the amendation of years of the amendation of the amendation of years of the amendation of years of the amendation of years of year

The serial ports worked vary very low CPU usage it worked fast time with Marril and I got online with the PortPlus in runiutes. Everything else I trad worked nicely too, All we need is a Siernese driver for the PortPlus

and the RTG could run et a high serial state (the Samese author is already working on this). As for senal the PortPus does exectly what it says on the tin, with the 18C563 chip performing identically to the 18652 on my GYP IO expander in our office A4000T. This is a plug in gio card in this isspect - rarefy is an Armiga edding the serial seria

DIY driver So the PortPlus is £100 worth

a uselines parallel port, making it not very pood value for money— axen if the small ports are good Syepps out there will be entreast ed allowing them to run a multi-line BSS, but the rest of us might as well settle for a HISOft Whitper or the PortPlas in both of whech oost half as much end will festule in next month's OL Amiga II you happen to went two ports or franch homo; a poet winding a per allel driver yousself the PortPlus may be for you.

of two high speed serial ports and





nany 72

Burn It

Price: £79-£109 Developer: DnS ■ Supplier: Titan Computers © +49 (0)421 48162D

As the cost of CD writers plummets, another softwere package arrives to challenge MasterISO and MakeCD. Just how does it shape up?

est month we reviewed the excellent awerded it 92%. Against such stiff competition. Burn it errives sporting a different selection of feetures including the ability to scen a CD's structure to duplicate it perfectly by writing in ha so-called Disk-At-Onca mode This is the killer feature of Burn It. as every other peckegs writes in rackAt Once which places some restrictions when working with audio - fixed gaps between tracks being the most obvious problem

This feature may be Burn It's preatest strength but it doasn't let the show down in the other erees of creating Amica CD-ROMs The GUI rons on a oustom screen (of your choical and is somewhat easier to navioate than MakeCD's Idudgy Triton GUI libiary based effort, it's actuelly even more basic relying on GadTools alona but it's easier to find what you want quickly Thera's a main menu window with a group of 9 cons - clicking on each will

activate a major function of the package Unfortunately you can only run one at a time

CD-R support Most of the critical praferences

ara laid out on a simple but busy GUI. The buffers settings talls of ectual used memory. The package will use the excallent asyncia library if desired like MakeCD, for efficient herd drive performance. Dummy write can

balectivated as well as elect after writing The SCSI device used for CD wirting reading CD audio and es a sourca for CD to CD copying cen be sat Burn It is compatible with a range of CD-Rs though it doesn't let you know that it even if it does Check the demo on this month's CD for a list of supported CD Rs. The key Philips Yernaha, Sony, Ricoh, Plaxtor, Plasmon and TEAC drives are supported which covers most bases

The ISO building angine is guite sophisticated Burn It is capable of writing simple 100% compliant ISO 9660 valumes up to level II

with full RockRidge extensions, CD32 CDTV boot straps and so on It doesn't have MakeCD's ability to sort file extensions such as info for qnicker Warkbench icons Burn It also records specific Amiga fila flags such as the Pure and Script flegs. Only modern CD filing systems like ASIM and nisa these though

The ISO maker is assy



A Bury It's general professores shows that it's wall coused for creating Assign CO-ROMs.

be added to the CD, displays the number of used blocks (although strangely not a Mb counter as only MasterISO does) Accessing the Primery Volume Descriptor with the volume name of the CD and the general preferences is easily done. Building the ISO volume itself is on a par with MasterISO and ever so slightly faster then MakeCD Howevar, MakeCD can be lar quicker by building and writing on the fly which saves time and significant amounts of herd drive speca Given the cost of Burn It, this is a serious feature oversight.

to use and after scenning files to

Back up morals As mentioned at the start, Burn It

really shinas when it comes to Disk-At-Once Put simply, for the production of andio CDs you can't best Burn It Kicking the DAO function into expert mode allows editing of index and track markers so that a track on a CD could be in the middle of sudio and so on Tha GUI is a little buggy and needs improvement but everything needed is there and works wall. There's no doubt that Burn It. is also surprising well armed to 'back up' ponsola game CDs but this isn't the place to go into tha morals of fhat endaavour Strangely tha version of Burn It that can do DAO recording costs extre and is carteinly not cheap The Track-At-Once version of Burn It also compares outa badly price wise to the cheaper and more capable MakaCD

There is extensive options for reading digital audio data raw from a CD, converting existing

andio formats to raw CDDA data and copying a date track from a source CD-ROM directly to the CD writer (which I never scally saw as a good idea)

As a Disk-At-Once capable CD-R peckage you can't beat Burn It, though it seams a little silly to charge extre for this function. It does creete fentiless Amiga CD-ROMs though I'd like to see options to create PC specific CDs with Johet/Romeo ISO types but this enticism could cover all Arniga software at the moment, If you're primarily interested in making data CD-ROMs, MakaCD clearly still has the adge but if you intend to be doing some senous audio mastering and perhaps some of that 'backing up than Burn It may be the shot Burn It is a truly professional packaga and certainly comes recommended as ong as you can afford it. Mat Bettinson





A Jure Its male features are click on scoon... It's a gity that you can only rea them one of a tree.

king

rith the ial ports

gneless quet.

doin

ntical

nulti-

might

Gemini

■ Price: £29.95 ■ Developer: Intrinsic ■ Supplier: Intrinsic © 01474 533500

atting data between Annage and a PC can be tracky Luckly, but the state of the stat

remen a pain for the Amiga
Enter the Gemini system. It
consists of a perallel cable with
PC and Amiga installation floppy
disks. The PC software is simply
copied onto the PC's herd drive.
The Amiga hes an installer which

copies all of the relavant files onto Workbench, A device driver called PC is sta

orwer called PC is stashed in storage/DOS drivers. To mount the network we now just click on this DOS driver icon efter running the PC's software.

A default icon, "PC DISK, will spiper on the Workbench Opening the and activating show all icons, will display deactions corresponding to the drives on the PC For instence, PC C I's the PC's C drive. The network is undirectional, elthough the PC desert soe the Amage it wants were written to be done from the Amage and Transfer riches are in the order.

of 39K/s to the PC and unfortu-



A Accessing a CUCD via the General The CD is at the PC's CD-ROM drive and, since the nativerk has access than Steamer seasont, everything works just line.

nately only 20K/s to the Amige Not blistening, but still a lot fester than serial end we get long filenemes and are free to do something alse if it's copying ecross huge files of deta The Gemini system fells down

The Genthi System relia Govinhowever, as CCS seem to have made no effort whatsoever to improve upon the basic PD Amy2PC sharewere. There's no PC Installer and the Amyal rasteller doesn't fell you where it's put the drivers it elso coppes files to your C dr without telling you when they are. No default it can is provided for the PC, drive. Finally, no

way of altering the network settrings after installation is provided. There's no doubting that Germini does work but it's a pretty pertinent example of how not to present whet is a useful package any herdware puckage should consist of more than just a video case, a cable and two shovelwere.

Mat Bertinson

flappy disks of PD .

188% full, if fre mir

Network PC

■ Price: £19.95 ■ Developer: Waird Science ■ Supplier: Weird Science ② 0116 234 0682

eird Science has based Network PC on based Network PC on the same PD Software as used in the Germin system reviewed above but has taken it further Called the Network PC package it provides a perallel coble with Amaga and



PC Installation disks but here the similarity ands, its cable is a good metre longer than Gamin's and presentation is far better with

presentation is fer better with much enhanced PD software A proper Windows Install Shield insteller is provided on the PC. It asks where you want it end

edds Network PC to the Windows Program group so I can be eastly run by selecting the icon wa the start bar. The sparse configuration options are elso handled during installation but this is certainly better then Shriph expecting you to copy the files yourself as with Germin's system.

The Amiga side sees an improvement also, the disgusting alanderd loons ere replaced with Megic Workbinich i consi Werd Science eways did have a fatish for Magu Workberch The Amiga click will actually boot and contains the drivers ready to run right from the floppy disk. The Installer



A Perril Science went to the effect of motors; the Arrega first houtable, added some properions and fixed on the restaller, it also makes a assful Network PC drower to rue it from

Is much improved also, creating abhand diseatory with cons is shared diseatory with cons is shared with the AmizPC package. The most useful is MountPC which ectivates the network without buying to go diging for the DOS driver yourself. The preferences can be aftered via an installer, unlike the Germin where editing environments.

The Gammi and Werd Science software won't work with each other's cables but both of them perform (dentically The Germilia provided with a slightly lister beta version of the software but otherwise the Network PC package far better in terms of software

The drawback with both pick-ages is the threy hog the CPU during transfers so that the Arrigate effectively sease up I would have liked to have seen interrupt drivan perallel to a olive that problem, aven given speed less You can't heat if for getting files between the Arrige and the CP, (barring the between the Arrige and the CP, (barring the sease of the Seminator Service) and the Seminator Service of the Service of the



Viper Mk4 42Mhz 4MbRAM

Price: £89.99 Developer: M-Tech ■ Supplier: Power Computing © 01234 851500

ower Computing seems to be taking on the role of barrow boys of the accelerator would with its latest line of ecceleration products. Like those East, End street corner fruitiers, Power is chucking more and more in the bag until you feel you can't afford to say no. 4Mb of RAM? Fair enough. Tell you what, call it ninety guid and I'll chuck in a 43 Mhz 1030 chip too And just for you I'll

A A a seed increase is 80% of a 50Mhr 030 top of the line '030 accelerators

stick in a copy of Doom clans Breethless Another fifteen and I'll chuck in a 33Mhz FPU to make yer Imagine randers go like a cat with a firework up it's behind Tennar on that and I'll chuck in the Wordworth office CD (wa gave that 92% at £50 in February) You can't say fairer than that can you? No, you can't. This board's such a bargein it's crezy

It's hard to believe the price is for raal. The 030 has a natty little heatsink plued to it, generally a good move but covering the writing on the chip and we wouldn't be too surprised if it was overclocked, but it seems to work fine it isn't up to the spead of the



such as the Bluzzard Mk4 50Mhz. but it is plenty cheaper

These are of course niggles eran't there sliveys? The most obvious mode is that this board isn't expandable. The RAM chips. are surface mounts rather than using a SIMM sacket the way higher end accelerators do, so you are stuck with that 4Mb. The point of this board however is that it brings acceleration to the masses - people who haven't considered themselves as power users can now out themselves right up to current spec for a vary reasonable outley For £105 you get a pretty seu

beigain as the board! Now there's no excuse to be under-powered Andrew Korn

ous accelerator with 4Mb RAM

an FPU and Breathless for free

We strongly advise the unacceler

ated to buy this if you cau't efford

anything meatier. It will senously

improve your machine and if you

have a CD-ROM drive you are in

for a treat. Wordworth 6 Office

CD-ROM for a tenner is as big a

Power 4Mb RA

■ Price: £49.99 ■ Developer: M-Tech

Supplier: Power Computing © 01234 851500

his and the product above represent a half of Power Computing's current assault on the expansion board market. The other two are a high and A1200 '030 card and en '030 board for giving the old A600 a new lease of life at turbo speeds - watch for leviews next month. In this new historchy this cald is bottom dog Still, for £50, you can't expect much cau you Just an unexpendable 4Mb expensiou board Oh,

with an FPU slot - add another teuner for a 20Mhz 68882 or £15 for a 33Mhz varsion. Oh veeh end there's Breathless chucked in free, and of course for an extre tenner they'll throw in a copy of Wordworth 8 Office CD-ROM too Demni They're at it again, throwing silly bargarus our way like

In practical terms, you have the obvious benefit of a perfectly reasonable total of 6Mb of RAM instead of the measly 2Mb the A1200 is shipped with and the presence of



Fast RAM which will speed up your Amiga as it avoids the bottlenecks which hold up Chip RAM You can look at the graphe to



makes but roughly speaking this one makes your computar run at about 50% faster then unexpanded A1200s

Fitting an FPU makes little difference in everyday life, but when Using a package designed to take advantage of an FPU such as Vista or Imagine it can make a huge difference FPUs, or Figeting Point Units, can deal with mathemetical fractions without having to convert them the way a non FPU equipped system does, making some maths intensive processes such as 3D rendenna go many times faster. In companson, the board above makes your computer go about 400% of unexpanded speed and has the same FPU advantages

We are going to take an elmost

unheard of stence This product has a Superster award because of the law price and bonus extras it would be churlish not to But we find hard to recommand it over the one above. Even if cost is a major lasue for you. the Viper Mk4 above Isn't that much more in terms of cash, but is streets shead in overall yalue, Andrew Korn



nded kage

е вгиро duven

- Price: 490M (£18,00)
- Supplier: Baach ©+49-07587-1201

f you're a Populous frend or just an ell round Amiga usar, sooner or later your mouse is will die Most should enjoy a long, fruitful life, but tha

and is normally swift. Replacing mice is easy - flip through the pages here, and you'll fmd dealars ready to sell you wanaus replecements. Pricas aren't bed but charge is somewhat limitad compared to PC mics

This is because the vast mejority of PC mice are sarial mice rather than the Amiga's "bus" dasign. Up until now, PC mice have been off limits to us as to gat sanal mica working with Amigas you typically need to give up your senal port and load additional software drivers. So, if

your system goes down, you are without mause control until

box that sits between your senal mouse of your chaics Insida is a micro controller which allows use of the vast range of PC it's as simple as it sounds

needed to open up a whole range of products to your Amiga - not just cheaple mice, but a variety of including things like the Logitech hand-held trackball. This comes m very handy for group demonstrations and the like or just for



A The Topoline allows PC secret input devices such as mice, trackballs, or even infra red controls to work so your Amiss. It rust sets between the means part and the serial device.

showing off by controlling your computer from ecross the room One ortfall is that many cheap PC mrca have three buttons but the middle button isn't wired up. presumably as a cost saving Still n's quite possible to get a good PC mouse for a lass than £10 The Topolina is compatible with all Amiga models (though

A1500/2000s need an adaptor)

As to cast, the Topolina is

Jason Compton

Toppling could pay off for you

more expansive than some cur-

rant Amige mice. But if you want.

to open the doors to senal inputs

and mass market peopherals, the

Insert 104

PC Keyboard Adaptor

Price: CANS39 (approx. £18) M Developer: MicroSit Research Supplier: www.nationalamiga.com @ 1 519 858 8760

ve been convinced. dunno my six-years as the owner of a number of Amigas, of how durable and well-buff they are I've never had a problem that required rapeir But I have seen problems crop up in kayboards as time gas on it se combination of intense use and the inevitable drops to the floor, but sooner or later a few essential keys go out of whack - important onas like, say, the Shift key or the Spacebar or the Ratum kay

Replecing the keyboard on a big-bax Amiga isn't cheep. In the US, they are typically at least US\$50 (about £35), and in the UK often twice that It's hardly surreplacement parts but they

Technologies did produca kayout there. On the other hand, the amounts of keyboards for new systems as wall as for raplacemants, and these can be had for prices around £10 in consumar idea of bridging that gap in mind. the Insert104 from MicroBit

It's no new concept of course Lazarus Engineering's KB-10 adaptor promised much but after e severe crash you had to switch off, making it impassible to Control-Amiga-Amiga

The Insert 104 is smaller. cheaper, and frae from the problams of the KB-10 Using a PC keyboard on an Amaga used to be uncomfortable because while PC kayboards had mora total keys the arrangement was all wrong for our purposes However, the new "Windows95" kayboards add three keys ffor e new total of 184), two of which map perfectly for Amiga users the laft and right "Windows" kays ere exactly where you'd expect your laft and night Amiga keys to maps more or less as you'd

expect, with the bonus that the "Windows Manu" kay is mapped as a screen-flipper Insart and Home can be used to answer requesters, and the extra European keys are mapped at F11 end F12 on the PC keyboard Typically, a PC keyboard will require you to get used to a

Control key at a new location but if you're used to an Amiga keyboard you'll easily adjust

A If you've fensied exing the surrety of PC hornouse thee fenert 104 is for you Why use the Insert 104? Well.

if you're looking to replace an Amige keyboard the Insert 104's pace of about £18 plus a cheap PC keyboard comes out at lass. than a new Amiga kayboard There are also a number of

gimmick* PC keyboards, such as Star Trak-style designs, and if you're into that sort of thing don't hold your breath for someone to build a special Amiga modal Presently National Amige does

not have a UK distributor, but are hoping to establish one soon National has a track record of if you can't walt rest assured that thay will take care of you | Jason Compton

Air Mail 4.22

Price: (\$40) £25 Developer: Toysoft

While there are sever-



el shareware options this Canadian commercial effort promises an impressive array of fastures to beck up the £25 pnca tag All Air Mail requires to function is a decent TCP/IP stack like AmITCP 4.0 Misml or MLink. Workbench 2.1 or higher and of course a mail server account which is normally provided by an Internet provides when you sign up Air Mail is also an MUI application so MUI 3.2 or later will need to be matelled also

An Man's documentation is Intelligently provided in HTML form since a netted Amige will have a web browser on hend When running Air Meil, we're presented with an iron hidten has to access each of the sub sactions. I believe this to be convoluted as if I do not have the mail package idonified, I wish to be

viewing the incoming mail foldar To activate major sections of All Mail you have to click on that badly drawn and unfamilias icons, although the first order of business should be to get rid of the American/Canadian voice which

announces "Yew gawt meyll" The catalogue of annoyances doesn't stop there. The package randomly decides how much text to quote when it replies to mail, the From and To headings appear totally blank at all times and the decoding of attachments will only go to a preset location inside the Air Mail direction! (And you have to piess a button even to make An Med do thati

The badly drawn

buttons make use of the MagicWB paintte, (tough luck on anyone

who doesn't run it), and have icons that are not easily interpreted, Some of the icons even disappeared by themselves and I got random errors when trying to send mail. Also my signature always appeared corrupt in the Edrt Signature section. No other PD mail peckage I have tried has any problems with my mail server

Air Mail is reasonably well decked out with features, the folder hendling and pre-defined Forms for sending E-mails and so on are nice touches. However the basic functions are lacking compared with even the totally free YAM The GUI is bedly constructed with MUI to look only good if

A Here a the Armail button bank dealing badly with my MUI textures. The reader itself one be seen underweath. you never bothered to customise your prefs, just like the author. Heck I swen hed the odd Arr Mail

crash which is totally unaccept able for a basic mail package When ToySoft sort out those problems, Air Mall should be a top contender but right now, no one could recommend shalling out money for this poor program when much better peckages can be found in the public domain Mat Battinson

IDE Zip Drive

Price: £119.95 III Developer: lomega

■ Supplier: Eyetech © 01642 713185

he IDE Zip drive looks very much like a floopy days it has an unassuming appealance for something which promises all of the adventages of a ramovable hard drive for a frac

tion of the price Anyone with a SCSI connector such as a Squirrel has been able to use Zips since they first hit the streets. The adventage of this unit is twofold firstly, it needs no SCSI interface, and secondly it is cheaper Connecting the drive is relatively straightforward - very similar to installing on IDE CD-ROM drive A step down connector from 44 pins to 40 is necessary for A1200 users, but A4000 awners can just plug straight in The power connector

is a standard 3.5" hard drive type

Evetech provide very straightforward driver software which is a breeze to use If you already use a heid drive and a CD-ROM drive. you'll need an IDE spiriter though

Alas all isn't roses The IDE interface doesn't seem to behave itself, leading to a fairly major limitation To work around this, Eyetech's software instells a Rigid Disk Block IRDB) the equivalent to a disk boot block for a hard drive) to the Zip disk as if it was a hard drive. As a result disks are mounted only when the computer boots up. So if you must change disk, you have to reset. Eyetech make something of a salling point of this, suggesting that users might went to have several Zip disks configured as system boot disks and thereby have a different

system set up for each member

You may consider hav ing to reset is a minor probfern, in which case then this product is truly great. We how ever are not really

convinced that it is worth the 50 odd quid saving over We are however sure that this

problem with resets will eventually be solved - the latest version of IDEfex claims to cope, although we haven't got it to work yet. We did just about get it working via a Safe, which has major speed advantages over FFS on a Zip) albeit briefly

Evetech heve told us that they are indeed working on solving the problem - when they do, this

is will undoubtedly bala 90% plus product. Until then, mest people would be best served by weiting until Eyetech sort out this one small gramlin, in an otherwise. expellent product

Andrew Korn

Well.

the

104's

ne to ut are de. so

Scene

The PD scene turns up trumps yet egain this month, showing some of the best, and worst things to do to your Amige.

****	Totally blindin
****	Good Average
****	Substandard
11111	Oh daar

Posiden

Game

- Available from: Classic Amrga PD, 11 Dasnsgete, Radcliffe, Manchastei M26 2SH
- Tef: 0161 723 1638
- Price: £1 plus 75p P&P per order

I remember seoing games like this on the VIC20 and they were but then In the master-pace of 2-gride gaming you have been magnically rumed into a filth, and can be restored. However, the second of Possidon, in you quest for this fishly detry you must floot gamily up and down colding with the small yellow fish which tip from one and of the screen to the other.

Your quest is made difficult by the presence of an ever increasing number of jallyhish. These aren't really a threat in themselves, as they are very easy to dodge.

tiney are Very easy or dodge.

The difficulty of the game comes from the fact that avecding being atting by jellyfish puts about half of the little yellow fish completely out of your reach, and as the little yellow fish as as infliequent you tend to rush recklessly for them in a desperate attempt to end the

tedium as quickly as possible
I really am the last person to claim that a
gene has to have flashy graphics to have
playability—the major problem with this game
though is that it has neither ★水水水水



Star People vol1

Slideshow

- Available from: PD Power, 15 Lovetot Avanue Aston, Sheffield, S26 2BQ
- Tel:01374 150972
- Price: 50p per disk & 75p P&P

This disk eppairs to be an edvert for a scenning service. Whilst there are atways going to be people who want to use a scanning service. I would be surprised if there were too many people who would want to use this disk

It's a simple 'play a mod and show some plear sort of a slideshow this images being seans of an assortment of femous people. From a 16 grey scale image of Sandra Bullock locking like no one warrad har a photographer would be present, to a HAM image of Pater



Andre, who epperently thinks he is a musician, this is a disparate collection of celebrities some of whom are bound to be objectionable to enyone

Kick It

Game

- Aveflable from: Seddla Tramps PD,
 Lower Mill Close, Goldthorps,
 Rothalham, S63 98Y
- Tel: 01709 888127
- Tel: 01709 888127

Price: 80p plus 50p PSP

Allow mis a galactism in channel for mission, and the property of the more in Image is gained of the more in Image is called the more in Image is called the interest of my stances. This whole lates of one and an advantage in a manage is and but a look of case Anything that in classing you, we drow the mission in the case of the interest and in classing you. The case of the interest and you do gained set mission in the case of the interest and you do gain the same in the part of the case of the interest and in the interest and you do gain the interest and you do gain the interest and you do gain the interest and in the interest and you do gain the



on the zombies as they approach

The presentation of the geme is accellent. There is a suitably boundy soundtrack, bizarie sound

effects and brillianly drawn carbon cheeces. The combas shamble slong great and lis with that legs stacking into the all when may are killed (early out kill a combat?) and this ground that goodling backgrounds are filled with bearrs details and suspecious looking characters in trown costs! I suspect there is some word, prevarted subtack hier somewhere for which blarme programmers to stabilish Division of the Three Little Elsa, who appear to be attent as Swedish coding team or a commercial contraction of the community collection. *** ******

Aerial Racers

Racing gama

Aveilable from: Saddle Tramps PD,
 Lower Mill Close, Goldthorpa,
 Rothenham S63 9BY

■ Tel: 01709 888127



■ Price: 80p plus 50p P6P

Hey! I was just beginning to get decressed about the quality of PD germa when this disk which was rammed unceremonously into my drive, turned out to deserve gentler treatment. A racing game in the style of Acid softwards contributed to the contribute of the contributed of the co

Although the divining dynamics are in that and the game works well with fast eachon manic collisions and tacks which can includar impa and jumps. There are still a lot of tetic miggles to iron out, such as being bill to divinity of the control of

in any major way. What really makes this gene shough is the fact that it comes with a rethal usual titleck section and, unlike many so called colorist, it come reason but you can make by or saidly some reason but you can make by or saidly roads and alies the trench length for timble frinties and jumps. Graphics are basic but well some one and the controls clear and was filled out With a few little fixes and add one, the title would be from an expense or the proceeding the real time.

thankfully, none of this detracts from the fun

Lost on Parrot Island

Adventure

■ Aveileble from: Frenk Otto, Greickstressa 27, 22529 Hamburg, Garmany E-mail robocop@dsma da

■ Price: £7 99 plus £1 P6P

With a name like Lost on Pariot Island author Franck Otto soft trying hard to high the inspertion behind this product. We would all love to see an Armiga release of Monkey Island 3, but until then, this isn't e bad little compromise.

If the quality of graphics in an adventure game is particularly important to you, you'll probably have some difficulty getting on with this total as the graphics are pretry appaining theolever they do convey what is going on perfectly clearly, and I consider the layout and quality of the puzzles parenount in yodging an adventure game, factors that Parrot Island spotse well in.

You must escape from soma distant Canbbean island, gatting Involved in a variety of scrapes and adventures on the way As far as I played this

title, I found the workings relatively same, something which meny GRAC and DOOPSI titles fall down on Only one puzzle was solved by the old testic – do everything to

everything I finally figured out that the torso of an old prate is best but in the ses. About the level of streined logic you can expect from a professional title.

I hope Frank Obto works with a grephic entrs or his next to the acknowledge the small on the state of the result of the control stand in this area, and the sometime standards of part head so to be delivered in the standards. A part under 12 makes the standards. A part under 12 makes the standards and the standards and the standards and the standards and the standards. A part under 12 makes the standards and the standards a



Slipstream

Game demo

- Aveileble from: PD Power, 15 Lovetot Avanua, Aston, Shaffield, S26 2BQ
- Tel: 01374 150972.

■ Price: 50p per disk & 75p P&P

Wipcout 2097 on the Reystation is possibly the best roong game ever To make a clone for the Amiga seams foolbardy—goven that the original is heavily dependent on fast moving teature maps, the hardest thing for the Amiga to do Writch Is exactly why an Amiga programmar was bound to own it a or soonar or later.

In the demo you to fly a hover bixe down a texture mapped teak and a tunnel. There are three versions, 1x1, 1x2 and 1x3 pixel modes, allow diffar an speeds to be traded off for quely in 1x1 mode i clock define good, but is just too slow in 2x2 the graphics arent so has but you get a reasonable sense of Speed on a fast 030.

Coder No Hermings and arts Rehad Whitel heve put Cogether an impressive later outtime although there is no germs and there probators are supplied to the companion of the companion of - Out on exemple of the quality of coders on this Armay Whit the award of Poward Corps Armay garress like this will be possible, but not on any garress like this will be possible, but not on many garress like this will be possible, but not on any garress like this will be proposed to decidated Armay coders with their hard part processing power behind them **** ***





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DUtilities

Andrew Korn trawls his way through PD, and catches a top aducational program, an excallant databasa and a shedful of tools.



Direct-a-disk Telaphone directory

M Available from: PD Power 65 | ovetot Avenue, Aston, Sheffield S26 2BQ

■ Tol: 01374 (50972

■ Price: 50p per disk & 75p P6P

A telephone directory on a single floppy disk? They said if couldn't be done, and here's the disk that pioves them noh! There are a lot of people who really use their Amigas, they want than computers to work for them as a specific tool, and will write the software to do this if

necessary. This is the source of most PD/shareware, and is why it is always of such variable quality

Duact-a-disk aims to be en all in one telephone number detabase You can't find every number in the country listed here, but it has is a dialling code facility and a program mable detabase. The whole lot is presented in a custom front end in a traditionally tacky AMOS style including such questionable wonders as red text on evan

phone numbers for eliports which haven't been updeted at least since the f was added efter the initial 0s of UK phone numbers, and possibly since spitfiles were flying from them. The local delling codes section could have been usaful but the first one I tried out was wrong, and you can't exit a search until you've scanned through every match - type in New and you get 72 entires from New Abbey to Newtyle, bit return before you type anything in and you have to click through every entry or reset your computer. Avoid ** * * *

The International section includes



Beatmaster Metronome

Available from: PD Power, 15 Lovetot Avenue, Aston, Sheffield S26 2BO

■ Tal: 01374 150972

■ Pelen: 50n nei disk 9 75n P6P

A metronome simulator sounds like e bizarre idea, but author guitainst Ian Baxter, likes to play with a metionome for timing (easier to find than a drummer, twice the IQ and drinks less) He found metronomes' clicking noise annoying So, lasping salmon-like to his Amiga he created this odd package as the solution

Rethar frien just playing clicks, it plays a smell selection of drum loops. Tempo, volume end fede-ins can all be configured for the individuel user Thaile is not a whole lot that this does which you can't do just as well with e cheap electionic keyboard, so this is really only for the kind of guitanst who wouldn't be seen deed playing an instrument you can't easily strep around your neck and ponce around on stage with ***

Titanic 2

Educational ■ Available from: PD Power, 16 Lovatot

■ Tal: 01374 (60972

■ Price: £1 for 2 disks & 75p P&P

With commercial Arriga educational releases baing as rare as a classroom with sufficient text-books it is a real pleasure to see a PD axhaustwa detail By clicking on cargo, for manifests and by clicking on people you are

bulliant school jopm tool, then all well and





F-hase Database

■ Available from: PD Power 15 Lovetot Avenue, Aston, Sheffield, S26 2BQ

■ Tel: 01374 150972

■ Price: 50p per disk & 75p P&P is there really enough room out there for yet

Continued everleal >>1



another simple functional easy to use database? Damn noht there is. This one doesn't have the search and sort facilities of a senous commercial database package. In some ways recombling a squeadsheet used as a database package more than a dedicated detabase, but then it is a shareware package with a 50FF (about £8) regististion fee and most users are

going to be after something simpler This peckage though certainly has e real niche that it can cover. We are in the realm of the record collection detabase here, end for this, F-base excels. With 30 fields, up to 9999 records (in the registered version), a rether attractive and multrasking. OS compliant presentation, features such as cut and paste and A-Z tables, this has all the features you expect from this end of the market. Particularly usaer is the ability to tag a record with picture and sound files

If you want a simple detabase the combination of solid presentation and OS friendliness. makes this a very good choice ***

Nitefall compilation 3 CD-ROM wannabe

Available from: Online PD 1 The Closters, Halsell Lane, Liverpool L37 3PX

■ Tel: 01704 834335

Price: 75p plus 75p PBP

There can't much space on a floopy disk, a



: mere 880k. Hardly enough room for a single program, let alone an senous here A CD-ROM has enough space on it for 700 or so floopies on it, so you can expect bits and pieces on it, suite, but not

e floppy disk Wart a minute what em I saying? I remember the day when I first got my hands on a floppy drive You could store a whole 170K on one of those disks, enough for dozens of pieces of software. We could get by on a single floppy disk

for years we could I used to be ood at 5 o clock in t'morning, going down t'pit The point being of course that not everything tekes up 100s of K and if you ere careful you can put together a disk that is full of bits end pieces in the same way a CD-ROM can be

Meny people may argue that while a CU cover CD might have a 7Mb demo of the letest Doom clone this one has a tiny game that can holds From humoious texts to Workbench hecks, there is plenty in here that will ultimately keep you amused Granted, there's not much of any leating use, but exploring it is certainly clienty of fun ****

My World Paint Paint package

■ Available from: PD Power, 15 Loyetot

Avenue, Aston Shaffield, S26 2BQ ■ Tel: 01374 150972

■ Price: 50p per disk 8 75p P6P

While most PD paint packages seem to be eimed at kids, this one is clearly intended as a rival to DPaint and Ppaint

On booting up, you are presented with a blank screen with a toolbar on it. Apart from the fact that the coolbar is honzontal rather than vertical, it will be families to anyone who hes used an Amige paint package before As with most PD/shareware

paint packages, the sirbrush is worse than useless the splay bounded by a very obvious square but other than that everything actually seems to work guite well. The



zoom function is a little welld, es it doesn't zoom the brush at all, and allows the artist to draw at screen resolution over the pixel bounderes, but the conversion down to actual size when the zoom is removed seems to work reasonably wall

What is wrong with this package is that despite the author's claim that this fulfils the need for a cheap Amiga paint peckage, the £6 registration fee puts it at about the price Dpeint4 goes for these days, and make no mistake, this progrem is a long way from metching Dpaint 4 ** * *

AMICDES V2 38 CD-ROM Filesystem

Available from: Online PD, 1 The Clossfers, Halsell Lane, Formby, Liverpool L37 3PX

■ Tel: 01704 834335

■ Price: 75p plus 75p P&P

like AMICDES it works Unlike certain other CD file systems which don't - like the the works which means that it doesn't fall over parts of the CD standard such as Rockinge extensions. If you had problems with CUCD10 or Enic Encyclopaedia '97 it is because the CD file system you use is incomplete, and this system Amiga or PC ISO9860 discs will

AMICDES a drewback is that it must be installed by hend. Follow the instructions carelems - remember to edit the CDO file to suit your set-up - Squirret

users should usually change the unit number ' field to 3, lor instance and the 'device' held ran't Although a program such as SCSIsniffer can be used to locate this users of an old system cenmountlist. Regardless of this minor gipe AMIDCES VZ 38 remains e fine product ****





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CD-ROM Scene

Begs of choice here from space, gemes or cartoons, to the ubiquitous yet treditional gigabyte from the Aminet.

**** Totally blinding **** Good **** Average **** Substandard Oh daar

Fric Schwartz **Productions Archive**

■ Aveileble from: Weird Science Ltd, 1 Rowlandson Close, Leicester Leicestershire

- To 1: 0118 2340682
- Price: £19.95 plus £1 P6P

You've read the interview on page 347 if not. you've probably seen a sample or two of his work before - even if you don't have this menth's CD Eric Schwartz, 6h? You just can't get away from him. Enc hit the Amiga scene early in the decade and has been a fixture agmething of a symbol for the Amiga. On this disc you will find nearly the entire repertoire of rigtable exceptions being his Pogo and Roadrunner enims which are sadly excluded for copyright reasons

All of the animations on the disc work in a yery satisfactory click to operate sort of way. essuming you have the memory to run them The still pictures are all here in a variety of formats to please owners of OCS or AGA machines, es well as in 24 bit for those lucky Amigans with true colour displays, All the pioture icons are thumbnails of the full image, a nice idea but alas one which rarely works too well. The supplied setup script ettempts to





you with a rather garlsh mass

reset the palette and grab the Workbanch

erly it doesn't seem to work brilliently end can

Do you want this disc? That's easy If you

like Schwarz's work, then the answer is a sim-

fall over badly on a Newlcons system leaving



Aveilable from: Ward Science Ltd 1 Rawlandson Close Leicester, Leicestershire

III Tel: 0116 2340882

■ Price: £14 95 plus £1 P&P

these things without getting a bit repetitive. As usual, for your paltry investment you get e greebyte of archives from the letest and greatest code to have been uploaded onto the

ple yes. If you don't like Schwarz you'd be wasting your money If you don't know Schwarz's work then you really do owe it to yourself to check out the samples on our CD and decide if he really is one of the leading lights up Amiga animation **** shows that this disc has a real



emphasis on fun, with 104Mb in the games directory, 136 in the demos directory 225 m the mods directory and 224 in the graphics directory. As a bonus the compilers have arranged for the brillient Xtreme Reging to be included. This gerne came fourth in our recent exactly worth the price of the disc on it's own if

Serious users should not feel left out either. as although this isn't e particularly nich utilities disc, there ere still plenty of utilities there it's disca a screenstar award - this one is earned for the entertemment value ****

Views of the Solar System

Available from: National Science Teachers Associatron 1840 Wilson Bouleverd, Arlmgton, VA 22201-3000, USA

■ Tal: (+1) 703 243 7100

■ Price: US 52t 95 plus P6P \$6 for US addresses, \$16 for oversees

First e werning. This is not an Amiga CD-ROM However, as this CD-ROM holds a messive Information datebase in HTML (wab page) formet and complies to ISO9660 standards, there is no problem running it on a CD-ROM eguroped Amiga, just so long as you have a web browser and a reasonably up to date file

The disc comes with Adobe ecrobat and Internet Explorer, so you can use it on e PC a Mac or e ShapeShrfter based Amiga, or you can use it with your own Arrige browser I used lbrowse with AVId selected as an externel viewer for the AVI enimations end the

whole thing worked very nicely indeed Views of the Spler System is published by the American National Scrence Teachers Association and is designed as a classroom esource, although it would be equally et home in the collection of anyone with a passfrom an index page (you will have to porns your browser at this ies with all similar things, A is celled index html). From here you can nev-

Assassins 3

- # Available from: Weird Science Ltd, t Rowlendson Clase Leicesfer, LE4 2SE
 - Yel: 0116 2340682

Price: £19 95 plus £1 PBP

Firstly, this CD is stacked high with trash. No

GK for an hour and five which are unplayable. This is

CD or just go on using a PD library and live m hope?

games which is quite simply excellent. The menu systeforget that you are using a computer and not a games console

All of the names are divided into catagones to give you some idea of what you ere letting the game of your choice and ere presented with a screen which tells you the herdware requirements end offers you the charce of running the game or going back to the menu trying games and being duringed back to it when you got bared and out them, but in reality fer course Go back to the Workbeach and you will find further wonders

demo. There is also a drawer of commercial demos including Worms, AB3D, Capital Punishment Velhelle 3 and more. And of course, whell disc could be complete without a huge

This disc represents a huge resource for all gemers. Buy it it's excellent ****

igate your way around the masses of informatron grouped by subject.

There are pages covering all the planetary bodies as well as most of the major phanome the solar wind. There is a section covering the alleged "face on Mers" which could be an easy way in for students who don't

kind of study. Eech subject has a comprehensive text, written in a accessible manner

anyone from secondary school up Discrems are clarity show just how elliptro cornets actually are Also. each meror body has a comprehensive teble of facts and figures covering everything from planetary

Perhaps the nohest resource on the disc is the mass of images II is the obvious, ettentron grabbing

Pioneer photos of swrrling Jovien cloudscapes which represent the most distent objects in our spier system. Along with the still images are e good selection of enimations in AVI formet, so if you want to really get an understanding of what Saturn's rings are all about. you can watch them rotetrno. One note of caution here es some of these

AVI files ere HUGE, so don't expect to view them ell unles

Presentetron of the HTML pages is unfortunately a little bland I would have liked to see a background colour selected at the very least White the kind of fleshy presentation and neat anmGIF trickery that makes so many web sites special would not be wholly

appropriate for what is meant as an aducatronal product. I feel that it could have been better With no current UK distribution, the \$16 shipping cherge including this charge the disc will cost a UK purchaser around £25 at today's prices herdly expensive for such e comprehensive reference work ***





system instelled

Art Gallery

You can send your artwork to us at Art Gallery, CU Amiga, 37-39 Mill Harbour, Isle of Dogs, London E14 9TZ.



Colin has adopted a very treditional approach to this image. Originally sketched in outline, the colour was filled in and details worked onto the image. One adventage of computer art is how every changing colours is.



The X-files may have made this thing popular but the imagery is much older – for gray eliene read damons Chack out the 18th century painter Henri Fuselli....



This image highlights the difficulty of Integrating hand drawn and fractal images. Using anti elissing or a low level of noise filtering on the hand drawn elements helps.



Done in Lightwove 3.5 this is unusuely engaging. The skewed Z sxis gives it every sculpturel feel. Selly the texture contrast between the sphere and ring couses the ophere to be so well lit while the ring becomes a bit washed out



I've seen this on Aminet - it's great. Image composited with photogenics and touched up with brilliance.



UFOs were rendered using Imagine, and modified with DeletitV and Photogenics. This stends out from similer images due to excellent use of a limited palette and the strong composition. The engles of the UFOs follows a rule of composition sepular with followers of European romantic art and reminds me of the works of John Martin and Ceaper Cevid Friedrich.

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Workshop will improve your Amige knowledge by; showing you how, giving away tha trede secrets and telking in depth about ell things Amige.

76 Imagine 4.0

This month's tutorial gives you all the animation trade ascrets and shows you how to render realistic object and camera motion.

80 Masterclass

Every good Amige owner knows their way around Workbench. Or do they? Learn a few naw tricks on page 90.

82 DTP

Last month's cover mount ProPage 4.1 comes under our regular DTP spotlight this month as we show you around this powerful package.

84 Sound Lab

Want to take your Amige's music to the next step? The right path for you may well be MIDI. Meestro John Kennedy conducts a MIDI tour.

86 Wired World

Continuing our tutorial into making your own HTML wabsites, this month we look at colours and fonts in our quast for the perfect site

88 Net God

Someone you know not online yet? The Net God cannot understand why as CU embraces PNG this month for its own CU Online service.

89 Surf of the Month

The good, the bad and the downright peculiar this month as cowboy Garth Sumpter rounds up some renegate sites.

94 FAQ

It's the summer and music is in the eir as we take a look at MIDI and John Kennedy tries to orchestrate your enquires.

96 Q+A

5

3

Someons once said that there are more questions than answers: but not here. All your questions, answered. No matter what.

95 Subscriptions

Don't you receive enything by snall mail anymore? Do you miss the clatter of the latterbox. A subscription to CUI Amion Megazine and a great free offer could be just what you need.

98 Backchat

Wa wont to hear your opinione on everything Amigs, and your letters and E-marks are the perfect opportunity. Let reversine know how you see the world.

102 Points of View

The team of writers on CU are chosen for their insight into the world of the Amiga It's their work and their life. And do they have informed opinion? You bet they do and it's all here.

104 Back Issues

tand a program? Not sure how to do something? Look at CU Amige Magazina back issues aga. The details of previous issues contents including cover disk and CD content are hare







Imagine 4.0



Animation trada sacrets this month: all you need to know to render realistic object and camere motion with your favourite rendering program.



reating orimations with Irringine Is ter infic furr, but it can also be a little deurting to know how to start. This month well acarrine in some detail how to create an enimetion of a bousing ball. This will livelybe making the ball move in gutte a complicated manner, and so it is worth experimenting with this project to see how it all worth.

When completed, you should understand how to create you own enrhations that feature your own objects

Bouncy bouncy

To make the ball move in a realistic way, we are going to forsake the simplest "Tweening" facture liwhich automatically moves an object between e start end end position) and instead use imagine's Path Following abilities.

Pyth are created from the Object/Add meast from the Stage Editor (why not the Detail Editor) I don't know, A path can be "open" or "closed" An open path is kine a curve or a line "there is no join A closed path is kine an other, in that the path will end up book at the start. If you want your objects to follow the same path over and over, then pick closed, In this example we'll create an open path, See poir.















this sen't the path we want. So select the and points, and totale them in the X exis. The curve will change shape and you'll be left with this arc. This looks pratty much like the path which a bounding bell would take. Make sure you save it. See pic 3.

Let's give our ball a slightly more interesting path. Still in the Stage Editor, make sure the path is selected and use 'Clore' from the Object Manu. This duplicates the path. Now scale it slightly, and move it to the sade so that it matches up. Repeat this process until you have four paths, each slightly smaller than the others, bid end-of-ord. See pit.

strains, and end-orant, see pic 4. Now let a create something to bounce Nothing too fancy to start with so Save Changes and hop to the Detail Editor. Create a Sphare object there, name it, and save if This bring, o NOT create a perfect sphare instead use the Add/Primitive Sphere. The reason for this will be anobrant soon enough Return to the Sphare Sphere. the Stage Editor and load the Ball object. It doesn't matter where it is positioned at the moment Save the changes and move to the Action Editor Saa pic 6

The first thing you should do now is to set the number of fiemes to 100 Next, go through all the geth objects and the ball and make their and frame 100 instead of 1. To do this, click on the top leddish blob (the Actor timeline) and chena ethe values. See or 6.

Now for the clever pert. With the "Dalata" button selected (bottom left) click in the Ball object's position timelins to remove it. Now click on "Add" and click again, "You'll be asked to select between following a path or tweening position select the pert hou can now edjust the stop and start frames, end arrer the name of the path, See for.

You should be abla to work out what to do next. Add four position timelines, and set each one to follow a different path. So for frames 1. to 25, the ball will follow the first path. Then from frames 26 to 50 it will follow the second path. Repeat to all four paths. Seve changes and return to the stoop editor to previate your.

bouncing animation. See plc 8

Let is play with the shape of the ball. Coast is now state called "Normal" and make sure the new state called "Normal" and make sure the Shape attribute is selected Now use Scale, in the Z axis only, to squesh the bell slightly Make another state, called "Squeshed", and then re-save the Ball. This is why we couldn't

use a perfect sphere, as it would not deform Beck in the Acton Editor, delete the Bell's Actor timeline and insert some new once. This takes a little experimentation, as you will need to make the bell squesh almost immediately on impact and then return to normal as it need see pic 9.

With the ball motion perfected, you can add a floor for the ball to bounce on The easiest







Continued overload > > >

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nd
dit.
Now
s down
blit

elected eloints iu ciel, urva,

wey to do this is to create a rectanguisi plante and apply a chequiered textuite in the time-honoured tradition. For best results the floor should be ever so elightly reflective. Yes this takes ages to render but it mekes the ball's motion look much more realistic. If you have a fast menchine, using shadows will help too, as they also help the brant tell when the ball Is.

about to touch the floor See par 10. There is still perior of fine-funding to per form. The bill should be apomining stipitilly set in bolumes allow), as per ply the flootase's dipecial effect to input fine all the gipty is feature or which can be made as to adjust the rate of the more). However, the bolugoest important which can be made as to adjust the rate of which the ball movement at the bottom of which the ball movement at the bottom of sections, it streams that the touch section of the curve and season at the bottom of curve and season at the section of the complete and the curve and season at the control touch and control touch control to control touch control

Lights, camera, action

Before rendering your sumsition you will need to play with the lighting. I added a single light-source quite high in the sky and else increased the embent lighting to about 10 units of each colour Adjusting the backforp colour will give a pretty graduated effect which is hard to create in eny other wey, if you have a least Amilge, edding fog will create a good impression of death.

The lest stope in this project is to enimate the carmer, as keeping it placed in the one spot will fail to show off the anemation to discuss best effect. To change the position of the carmer we could simply left tween through two positions, you could make it track elangside the bouncing bell for example.

However let's stock with the path cancept, and create a sweeping arc which the camera can follow. This creates a very pleasant effect, is it's often used in the "real world" with real



cameras. All you need to do is return to the Stage Editor and create another Open Path. This time the two and points will suffice so move them around and rotate them until you have a nice curve. See the 12.

In the Action Editor, delete the camera's position tremeline and add ne wo me, which follows the new path. You will also have to follows the new path. You will also have to dieder and add a new signament astemp. Here you have an interesting choice, you can either choose to have the cemera focked to the ball (and so the bell will remain central in the screen as it moves or lock the cemera to exceed not simply of the cemera to expend the cemera to the cemera to exceed not simply of the cemera to the control of the cemera to the cemera t

those stuctions where you will just simply need to experiment in order to echieve the best results. See pic 13

It's a wrap!

And that all we here time for this month, Our emination demonstrates several important concepts, and you should be able to edept tham to aut you own requirements. Ramember though that transfering in Trace model (necessary for shed owns) is not all ways easentiel – and when you are creating on emination containing a thousand fremes or so you want to keep each frame rander down to eas short at time as possible.

John Keenedy

Animation Effects
When readering as estimates you will need to how a large number of options at your editional view of editional view of the property of the property of the professional do it. In one case, which a filling real stready as a camera might remain the company of t



So you think you kno PlayStation games?



fer the best view of the PlayStalian games' scene, you exed...

PlayStation Britain's best-selling Independent PlayStation magazine Plus

Masterclass

Think that you've got Workbench working as fast as it can? Wrong...

Workbench Tricks

In & Armya Operating System is a flexible and powerful beast, combining the best of both worlds with it's unique.

Craphical laser interface (Workbench and Commons Liber Interface) the orange of the interface into the significant interface in the significant interface interface in the significant interface in the significant interfac

Selecting icons

Use a few keys to make Workbench just that little bit quicker. This is espacially true when dealing with icone. Remember, all files can be made to appear as icone by using "Show. All files" from the Workbench Windows menu.

General tips

• Dring this mouse collete while; holding the left mouse butch down to draw out a "marques" highlighting several closs at once it which down the Shirt key when moving consistency exhibit a several closs at once it dragged to keep all the highlighted forms moving, not just the one which you first select. • Press flight Armgs and it to quickly select all cons in the active window. You can even drag ornelse a directory with the same name as the floory dalk, and duplicates the contrasts.

Multitasking

As you know the Amiga is a totally multitasking computer and this means it can run many applications of once. The way in which the applications are displayed vanes, you can sometimes select the mode yourself. Here follows a simple summary of the options and wheat they mean.

Private screen

The Amga opens up e new screen displey, and uses this displey to run the new application. It's sometimes possible to switch off the original Workbanch display, and this can be vary useful if memory (especially Chip RAM) is at a premium. When the application is cloud, it should automatically re-open the Workbanch. The adventues to this method is

Workbench. The adventage to this method is that the application has total control over the number and definition of the colours used in the screen mode.



Workbench

The application program opens up a new writdown of the assisting Worksheich The cent be useful when using a program which interacts with the contents of the Workbeach, such as a small disk willify or uson addro. The application and doesn't use up memory on a new acrean, but hear to like with the number of colours which the Workbeach is currently disclaims.

Public screen

Sometimes an explication will open up a public screen which means that other applications can use it, it's a bit like opening up a second Workbench display. It can be vary useful if you intend to use several programs together, and don't went to have to keep flipping from one sor que to enother.

If you went to know which programs your Amiga is currently running, you only need to open a shall window and enter "Status". This will produce a list of running applications. From the shall it's possible to terminate a program using the command celled "Break". Break takes as arguments the program's reference number and also the manner in which you went to try and stop it. This is all to do with whether you want to send the application.

Workbench Shortcuts

Here's a short list of real timesevers...

Press Right Amige end. (full stop) to tidy up icons displayed in the active window. Press Right Amige end E to open up a spaciel one-line shell for entering commends. Press Right Amige end K to close the current open window. Press Right Amige end N to crest a new.

empty drawar.

Press Right Amige and R to reneme it, or
the active Icon.

Press Right Amige and I to bring up information on the current icon. Carser Bown Bave through nominand lim history Cuntral K Reseat commend The following may only work on enhanced Shells

Control T Instit Sunce Control L

intelligently expert filename

e Control C, or a Control D message There are other possibilities but "Breek X all" covers them all: where X is the process number

Shell skills

ReigaShelt

k.

n's refer

arts

10 a 100

3 DOW

up miss

Here ere some keyboard shortcuts to speed up your typing when at the Shell I would recammend a freely distributable utility called "KingCoo". This enhances the Shell to include e scrolling window, which means you can look back over all that has happened

The "command line history" is the list of things which you have already typed into the Shell. If you have entered a narticularly tocky command, to repeat it you only need to press cursor up and the command will reappear You can then edit anything which needs changing before pressing return (Only when you press return will the line be added to the historyl.

The Shell will try to help you out. For example if you have already used a "cd" command. then entenng "cd" and pressing "Ctrl R" will find the lest occurrence Press "Ctrl B" agelo. for the command used before, and so on If you've wented to elter the way that text is displayed in the Shall window, read on

Using special character sequences called "Escape Codes", changes the colour and style of the text, it's very easy to do too.

For example, open a Shell window and enter the following without pressing enter

scho (press space) (press fSC key) [1 m (press return key)

You should see something like figure t. Next time enything is displayed, you will notice than your Shell will have started displeyed text in bold type. Here's a list of some other Escape codes you can enter to brighten up

Shell text style control codes ESC IOm Report to default text ESC [1m Use hold text ESC [2m Use bright taxt FSC [3m Use italic text ESC (4m Use underlined text ESC [7m Use Inverted text

ESC ISm

Use Invisible text If totally stuck piess ESC C (return), to clear the window and reset the text styles it's possible to make these text styles hap-

pen automatically every time you open a Shell The secret is to use the shell-startup scupt. which lives in the S. directory. This is the sount which is executed every time you open e shall. Normally it's used to set the default prompt string or maybe set up a few elias commands, but you can also use it to ensure your text is elways italic or hold or both.

Here you see the version of shell-startuo which is on my system. As well as defining the prompt string (op on, experiment with this tool) there is an echo command which switchas on the italic text. From this text editor, the escape key shows up with its own special symbol your text editor may vary

You can even build the escepe sequence into the promot string instead of having enextre Echo in there John Kennedy

SOLETIES.

Useful tips and tricks

1 Make sure your Workhandh disniey ian't running in a Window so this just confuses things. Check that the

Backeton ontion is ticked from the Workbench menu, end use "Snepshot All" from the Window manu-2. Install Directory Opus. Nothing makes copying and moving files,

sourching for particular names, viewing pictures, previewing text, checking to see how many files you can fit into one floppy, erchiving, FTP eccese and a host of other things, simpler. Get It now.

3. Get a good text aditor. Use GoldEd or EdWord or CyanusEd or enything other then the stendard Ed to hech your user-startup files. 4. Get MagicWB and instell it. Or

Newlcone. Anything to tidy up your Workbench and make that now yery 1990's blue/grey look more internsting. Remember your bechdrop setting top: be hold. Be daring. He in sixteen coloure so you don't use up all your

chip memery. 5. Get a hard drive. If you haven't gat one, then I don't went to knew you. You are bringing shame to Amiga owners everywhere.

6. Get a modern, Get on-line, Get on the internet end make yourself heard, Forget about writing lettern to those anti-Amine losem on teletext. What do they know? They write a figtitious diery about a man with a chin for

heaven's ashe. 7. Get a CD-RDM drive. Them is so much wondering free for neer es demmit! softwere out there you em deft not to make the most of it. Ah. the love of epending a rainy Sunday efternoon exploring en Aminet CD... B. Learn to progrem. All the tools you need ere out there, either in the PD er on coverdiens. C, Peecel, Assembler, BASIC, Perl, ARexx - there really ere dozene to choose from. Don't forget that programming is mwerding and chellenging - It could get you e job! 6. Get a life. Don't epend hourn ergu-

Ing with your meter that your unexpanded At 200 is better then their Pentlum 200MMX because it cen really multitesh. Insteed, make the most of the Amige's stmngths; excellent professional quality image softwere (Imagine, Cinema4D), easy to use video-recorder

and music composition stuff which even e tone dsaf E17 fan could use. 10. Finally, don't forget that your Amige is there for you to enjay...

friendly grephics



SVER Shell-Startuo 48 1 (9 2 93)

Prompt "WN WS> " Alias Clear 'Echo *"*E|8,8H*E|Jo" Allas XCopy 'Copy CLONE

Morning the Shell-startes script to automatically mean up year text is unsyl-

Desktop Publishing

Following last month's complate ProPage 4.1 cover mount, our regular DTP column now turns its attention to helping you get started with this powerful application.

n this month's DTP workshop I'm going to on through some of the more basic steps on how to do some of the common tasks. Things like creating a name, saving your document, creating text end so on Do remember that these tutonels form only a few pages of the 200 or so in the full manual.

Document creation The first thing you will need to do is to create

a document

Step 1: Run ProPage by donbte clicking on ProPage's upon on Workbanch. The program will open with no page open. The first time you run ProPage, you will be asked to salect s screenmode, choose 2 colours when you do

Step 2: To create your first document, press rtem. "Page/Create/From Default"

Step 3: This will open a requester labelled "New Page Format" In this requester era a number of adjustable settings

Step 4: Multiple pages. If you want more

Professional Page 4.1 Page Box New **ENN** COPAPENTS Open **230** Saue 200 Save as

File

OK

then one page, then in the 'From Page" gedget, enter a number Then enter the number of the last page in the document Vou require

esa di

F23 ()

Inport

Dutnut

Rhout

On i +

Step 5: Click on the 'Antomatically Link Columns" button to turn it off (on is black. white is off)

Step 6: To create a page the size you want such as A3, A4 and so on, then simply click the appropriate button

Step 7: Click on OK to cleate the page A "page" will appear on your art board. At the top of the toolbox, is the page number (page 1. in this case)

Saving docs have a document in

g leu Page Fornat	memory you will went to save it to
Page Nane	disk to make sure you don't lose it. Here is how to do it.
Fron Page To Page	Here is now to do it.
Rutomatically Link Columns	7 Committee Comm
Size: 19.87 x 78.81	
OStandard OR3 OR5	
OLegal OR4 085	1
Margins: left 6.88 top 6.88	11 14
right 5.88 bot. 5.88	1
Columns 6 Gutter 3, 33	1
Postscript Dutput Specs	
OK Cancel	

Step 8: Choose 'Project/Save As" and choose a drawer and a filename for your test file

HDB:

A02:

Cancel

Move a box

Drawer PRO: TEMP/Bin

PPage MoDoc

Everything in Professional Page is based eround bounding boxes. Text and graphics all need a bounding box and hare is how to rreate nno

Step 9: Choose the "Box Create" tool from the toolbox by clicking once (left mouse button) on the appropriate icon (top left).

Step 10: To draw a box, press the left mouse to start the box and continue to hold down the left mouse button as you dreg out a box. To abort the task at any stage, press Esc.

Step 11: With the box completed, click on the "Null Pointer" in the toolbox to turn off the "Box Create" too! Click and hold down the left mouse button while the pointer is

over the box. The "pointer" will change to a hand

Step 12: With the left mouse button still held down, move the box to another position on the pege. To put the box down on the page, let

Entering text Now you have a box and ere com-

fortable with it. lets out some text

Step 13: Click once with the left



G)Row Inger-Bld talle G)Row Inger-Bold B)Row Inger-Rowen |Rominger-Roman |RomingerSans |RomingerSansBld |RomingerSansBldObliq |RomingerSansObliq Preview Cancel 1 mouse button on the "Text tool" in the toolbox

keyboard short-out for the menu item Project/Import/Graphic

Step 21: Usino the file requester, choose the IFF-ILBM picture that you want to use ProPage will import many other formats but for now. choose en (FF-ILBM A busy pointer will appear until the image has been imported and

Step 22: In black and white, a dithered representetion will be shown on screen. In colour mode, the picture will contain less dithering and more colour/greys.

another page, or the page moved, the number will change

Step 25: Place the I-beam in the second box end press CTRL 5. This inserts the current date. This will be updated each time you load That's it for this month. You should now be

able to get to work with Professional Page 4.1 without having to guess where end what If you want the manual and/or a book about

the program, or even some extras, call me on 01908 370 230 and we'll do our best to sort you out # Larry Hickmott

it will change to en 'l-beam'. Step 14: Click the left mouse button with the

I-beam over the box you have drawn. Type some text. Don't worry if it comes out rather small, you can press Right Amiga-2 to magnify

Move the pointer over the page/art board and

Text formats You will now want to formet your text using

. To

he left

your preferred font or typeface, font size lead-

Step 15: Place the I-beam/cursor in front of the first word. You can very easily do this by by using the keyboard gursor keys.

Step 16: Hold down the left mouse button and drag the l-beam over the text.

Stau 17: Choose the menu item Type/Typeface/New, or press Right Amiga-F A requester will open showing you your evallable typefaces. Choose the one of your choice and

Step 18: With the text still selected, change the size of the text using the Point Size requester (press Right Arniga-Full Stop) After typing in the number representing your point size (in this case, the number 12), and then

Picture importing After text, the second most common task will

be placing your raquired pictures on your page. This is simple enough, but does require a box as well

Step 19: Draw a second box and select the Null Pointer' when you have finished

Step 20: Press "Right Amiga-G" This is the

Auto numbering

appears on your plide

Using special codes produced by ProPage, you can insert pege numbers into a text box anywhere in your document which are automatically undeted if the page (or box containing the code) is moved within the document. The current date end the document creation date can also be inserted and reflect the system. date of your Amige. These codes are inserted in text by using the following keystrokes

Step 23: To begin, draw two boxes and choose the "Text Tool" Now piece the Ibeam/cursor in the first box





MIDI can take your Amiga's music ona stap beyond, but just what is MIDI and how can you usa it?

hen it was first launched The Amiga's capabilities were un-"totally ewesome" Over time. they have been put to excellent use by games, MOD files and evan speech synthesie ars However, to use the Amiga to compose music, you shouldn't be efraid to use MIDI to beef up your Amiga's sound capabilities

The key to getting more from your Amina, is to lum to MIDI, the Interface it s been around for standard for connecting together electronic musical instruments

Software

When first introduced, MIDI was a breakthrough for many musicians integrate computers and Instituments together Using a program called a sequencer the MIDI events can be arranged on the screen, saved to disk or aven gan

Where to start?

nothing to do with each other).

MIDI hardware comes in dozens of different variaties. Some of the

most antry-leval stuff consists of "Home keyboards" such as the

ubiquitous Yamaha serias. These units often include a kayboard

and speakers, and can generate backing rhythms and drum tracks

However, I would have to recommend that you stay clear of

the cheaper versions. Although they have long progressed beyond

hetaful Bossanova bleaps and most are MIDI compatible, they will

not offer your the same flexibility as a dedicated MIDI set up: it's

like comparing a midl hi-fi system with a set of hi-fi separates.

(Yas, they both have the same word "midi" in their names, but

this is a quirk of fata so don't confuse these terms as they have

AVEN erated mathematically It's possi bla to play a tune on a music key-A Corpordings is a new Amina MIOI suppresent, and shows a great deal of gramita.

delete dud notes or add special effects and I hen replay the tune. This is possible because MIDI doasn't sand the actual sound. but a digital code which represents the notes to be played The Amiga has several very

good sequencing programs available. My favountairs MireicX v2. which although inlimidating at first, is a very flexible and powerful program. Short sequences can be recorded, edited and then

combined into larger groups These groups combined with other groups, which makes building up a vocal part, layer by layer very easy Other contenders for top Amiga music and Pipas, which is ellegedly systable free on-line system, (if you

Recently I discovered Camouflage a shareware MIDI sequencer which promises to be one of the most powerful ever released for the Amias with support for multiple MIDI interfaces. General MIDI and audio. recording. Initial experience has shown it to be a little unstable.

The region of the purpose of the last of t but work is ongoing and you

should make a point of chacking it out for yourself. Camouflage is available for downloading from the Aminet archives

Ramambar also that good and faithful programs such as OctaMED can also be used with

MIDI THRU

MIDI aquipment, and this is often the festast way for Amiga mustcians to expend Their set-up and start meking use of the extra sounds If you are tired of being limited to four or eight sounds at onca, wart until you



A to the world of electronic manic, it's not what van know. It's sheet having the right connections. Wen the 3 shows

instead, get a good MiDI sound module and a marter kayboard, or an all-in-one synth and keylogerd, Ramember, you can always add more instruments as your budget increases and MIDI will allow you to play many different instruments at once, if you are worried about the future of the Amiga, remember MIDI instruments will work on any pletform with a suitable MIDI Interface.

How much? I regiral limits A few years ago, trying MIDI interface. en his yourself out with MIDI equipment would have cost you an erm and s leg. Maybe a few Internal graens too. Now, professional quality Instruments such se Roland sound modules are available for under a hundred quid. Try dealers such as TurnKey in London (tol: 0171 378 5148, or E-mell them at: sales@turnkey.demon.co.uk). These types of sound module can typically play 24 notes at once, using up to 16 different voices. They have built in drum kits and sound effects, and digital

affacts such as reverb and echo. In order to use them on your Amigs, you'll need a MIDI interface to lit to the Amige's seriel port to convert algness to end from the MIDI standard. These cost around £25, such se the ProMIDI Interface from HiSoft [tel: 01525 719181, e-meil:

salas@bisoft.co.uk)

The last link in the chain is software, and here there is still a wide selection. If you are a tracker addict, you can keep using DetaMED or SoundStudio, se these speak fluent MIDI. If you prefer a more flexible approach to music composition, hunt down MusicX, Bers end Pipes or the shereware program Cemouflege (a damo le evallable on Aminati.

If you want to be able to play your music on a music keyboard, you can buy saveral octaves of MIDI generating keys for just over £100. These will ofter many advantages over using a computer keyboard, with most of them being velocity sensitive (how herd you hit the keys), and will slee sllow you to play chards.

connect a MIDI sound module and can play 32, professional

Harriware

Practically all electronic music instruments are MIDI competible. and in fact many instruments are only possible at all because of MIDI Here's a brief lat of the twoes of MIDI herdwere which ere available. The term 'synthesiser' is so misleading these days that it's easy to get confused

Synthesiser his is generally teken to mean a avstern consisting of a keyboard with a built in sound-generator The keyboard will tagger the sounds but elso transmit MIDI Information to control other MIDI equipment The synthesiser will also have a MIDI Input for receivthe information from an external source, such as a sequencer program running on a computer Some systems include their own built-in agguencers and even have disk drives to store sounds and songs These are referred to as music workstations. Synthesisers Neve been undergoing a bit of a evolution of late with a turn may from the pure digital sounds Back to a more analogue feel - a metrol panel consisting of night

enonymous buttons and a singleline LCD display is out, and larger screens with dozens of knobs and sliders ere in.

Sound Module

A sound modules is a synthesiser without the keyboard. It has MIDI input to receive information (from a keyboard or a sequencer), and en audio output. Most modern sound modules ere GM competble, and include drum sounds as well as pienes, strings bass and so on. Specialist modules are also available perhaps containing only pieno sounds, or only drum and bass sounds

Drum Machine These are sound module dedicat-

ed to creeting drum naunds



A Sound medicine are negally innecesses tanking gray keres like this.

Some have built in mini-sequencers. designed to store drum patterns, Drum machines are less popular mast sound mod nies have excellent eminently more flexible sampler is now used to store drum loops and individual hits instead

Sampler

Using the same principles which sllow the Amigs to replay real sounds a sampler is a unit which replays the sounds of real instruments. However that is a very broad description and most samplers are instruments in their own noht. They can replay 32 or more sounds at once and include privelope features to shape the agund and apply filters and other special digital effects. Samplers need to store their sounds, and so come with floppy or even hard disk drives, Semplers are used to provide individual instrument sounds, vocals, complete drum loops and even samples of apeach or other sound effects. They are incredibly useful and it's using only a single sampler as long as you have the right counds to start with.

Finishing Touches

As well as the sound generating equipment, vanous other items are needed in order to complete a home studio. If you are using several sound sources, you will need to mix the sounds together This is easily achieved by using - surprise, surprise - a mixer There is now a range of mixers specifically airned at home users, which are effordably paced (sterting et just over £100) and vet can accept eight or more inputs and mix

them down to a stereo output A mixer also makes it posaible to edd extre effects to your sounds by using a digital affects

processor These are units which once inserted into the audio path will provide you with compression echo, reverb delay, flenge, phese and other effects - ell essential if you need

professional results If you are recording live vocals, e microphone will connect to the mixer and allow you to



A Complete are most aften in such-mout form, with built in disk driven.

equalisation (the bass, midrange and treble settings).

Finally, you need some way of recording the results. An ordinary reseate tane is fine if you want to shere your work with friends. A DAT mechine is better though. end eithough expensive means your work can be duplicated without quelity loss and used to master CDs or records. With the poce of madern CD-R drives ever dropping, it's now even possible to burn your songs directly.

If you follow this shopping list, the chances are that before you know it, you'll have spent over a your bedroom to bursting point with let Just remember that you don't need to buy everything in one on start with a MIDI Instrument and get a feel for the sounds it can make Other equipse is needed, and of course no number of flashing red LED's or black rack mount baxes can ever be a substitute for actual talenti John Kennedy

Glossarv MIDI

Municel Instrument Digital Interfece. A world wide standerd for sending date between Instrumente and computers.

General MIDI

If an Instrument is "General MIDI compatible" then it will meet a minimum apachication. have a certain number of instruments essigned to perticular voices and so raplay any GM tune as it was Intended.

MIDI Interface

In order to be connected to a MIDI instrument, the Amige needs on interfece. This consists of a small box which connects to the Amige's serial port and features the 5-pin DIN eackets which MIDI uses.

Wired World

Still looking at advanced HTML techniques, this month we concentrate on colouring our tables and fonts to produce a monster site.



a looked at HTML tables in a previous tutorial but a couple of next, new sepacts added to Amiga browsels means we can creets an attractive looking part of our page without needing extre in-line graphics, thus lass bandwidth is required so pages will bed faster and look great even if the browsel has impaint and look great even if the browsel has impaint surface.

We're going to play with e tag called FONT which allows control over the size and colour of fonts inside our HTML document. Even bet lot, we can control those aspects on the same line. A simple example of FONT is to change the colour be failered with

<FORT COLOR="\$ffffff">

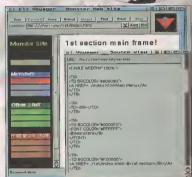
Fairty simple, the fiffff are three values of red, green and blue in hexadecemal so this gives us a 24-bit choice of colours. If you're unsure a point package and check the RGB values from the palette editor and convert them to hexadecimal. Probably the essets they to convert docume to their so to use ARexx. Checkout this example;

ER "Say 62x(100)"

Rexxmast will need to be running of course but every self-respecting Amilga user should have this running enyeay? This will give you the hexadecimal convission of 100 (84). Do this tives imma for R, G and B values, stock all of the digits together and you will have the assect colour from your pant package. Don't forget the leading hash symbol.

Strictly speaking

For sincity accurate HTML, at 9 a glood idea to to terminate FOM 10 a bod idea incer the colour change will only semant effective made at a CRDM15 and and AFOM15 enterminator is a little strengt, as I lost size changes are superfied relabely from the standard forth size stronger, as I lost size changes are superfied relabely from the standard forth size stronger at 12 point forth. We can go < FOM15 EM25 — 25 which is around at 8 point four to which is a refull? AFOM15 — 10 miles of the FOM15 — 10 miles of



A Horn's the nim of our totorial here. Frames put to one with a colourful navigation (nav) but, using BGCOLOR solida tables. Looks goest and out a picture is night.

This text is big and red
fONT>This text is beck to normal

Why not go to town with,

<PONT COLOR="#FF0000">C</PONT>
<PONT COLOR="#000FF00">C</PONT>
<PONT COLOR="#0000FF">L</PONT>
<PONT COLOR=##F00FF">C</PONT></PONT></PONT></PONT></PONT></PONT>

<PONT COLOR="87FFF00">U</PONT></PONT COLOR="800FFFF">R</PONT>
Behold, psychodatic colour and unlike HTML, we've spelt colour correctly as well. Now it's

time to get funky with tables by using the BGCOLOR attribute inside the table cell definitions <TD> Same situation, <TD BGCOLOR="#RRGGBB"> and we'll misculously have a background colour in that.

<TD BaccLOR="#RRGGBB"> and we'll misaculously have a background colour in that cell. Super next but it looks best if we don't use the table frame functions so that the tax is formated on the page with sirps of floating background colour. Let's make a really simple HTML document to demonstrate.

<BTHL>

<HEAD><TITLE>Table test</TITLE>
</READ>

<BODT BOCOLOR-SFFFFFF>

at 513 Wasser, Three He		HERE
Front Francis Francis Server Se	Yall Prof Y	*
Test In		
flere's same last and stoff to stick in the list colonia	Make a some lend and stu- ation in the second colum	
Seamont data.	Processor of the Parket	War.
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TABLE WIDTH ORDER TRO-TO WIDTH-OO'S RIGORER- BROBO	een eronit coalois- sFFFF0enness	ang

c/TR: +186-cTp BCCDLISH* BADAQAS*++FUHT CDBLR+ 6980000* Hisna*a sower find and stuff to stick in the first calamos/ficiality

At the type we can one the effect of <FORT COLOR==> while below the of this with no images at all, hosics of a table using BG COLDS and FONT COLOR for handings.

PARTY STORE-100% <TR>

<TD WIDTH-50% BOCOLOR-#808080> ANOMA COLORHEEFFFOO> Left hand heading </FOWT> </TD> <TD WIDTH+50% BGCOLOR-#808080>

<FORT COLOR-SFFFF00> Right hand heading</TD>

41mm </TABLE>

</BODY> </RYML>

Here we've set up an HTML document with a hackground colour pure white as set inside the BODY trig Our Table is defined and specified 100% of the available width, Wa've only defined one table row with the <TR> tag and two table cells on that row with the TD tags The two table cells are each 50% of the width thanks to the WIDTH statement. Next comes the BGCOLOR setting the background of the cell to a grey. The fant is then set to bright yellow and the text comes next.

We finish off by terminating the FONT and TD tags and naturally the table row with </TR> and finelly the Table itself. The result of this short example is two headings on the same line, each occupying half of the screen worth. They will be attractively rendered as yellow on a grey bannar strip. The trick is to have the following rows without any BGCOLtext. Insert the following between the </TR> and </TABLE>.

iafini

that

Type lats of text here for the left column. </TD> <TD>Type lots of text here for the right column ,.</TD></TH> The fant colour should be back to the augi-

nal before we massed with it. You may need to add for some buggy browsers though HTML specification strictly says we do not. The text will appear as nice columns underneath the headings

Another nest technique is to use BGCOLOR in table cells after the headline as well. The

idea is normally to use a colour that is only slightly different from the hackground which looks impressive for lists or perhaps even a horizontal nay bar Frame coupled with lest use this as an example,

Pressed buttons

CU's Web site has a new frame one menently on the left of the screen Erich button is an in-line graphic Normally this works really well since the left Fisme permanently stave there and only needs to be loaded once However even this each of the section indexes because we want to substitute a 'pressed' button when we arrive You get the idea from the CU web site. We can make a faster version Frames and a simple table with

intelligent use of BGCOLOR Let's make some directores for each of the buttons Always a good idea to tidy up a web ste and since we hope to have indexes inside each section for our monster site, this helps the organisation. We'll need some HTML from last month to define our Frames.

<BTML>

-HEADS <TITLE>Monster Web mits</TITLE> - /ICPADA <FRANCET FRANCEORDER-NO → BORDER-0 COLE-#115. "">

<PRAME NAME="DBV" MARGINHEIGHT → ="0" SCROLLING="suto" SRC= > fraw.html#x

<FRAME NAME="main" MARGINWIDTH → ="10" MARGIMHEIGHT="10" -> SCROLLING-"suto" SRC-"main.html"> </FRANCSET>

< BORRANGE > <83>Wa're corry but Monster Sita requiree a Frames capable browseric/NOFRANCES> 4/107HT-2

This index defines a simple two Frema page. The left hand Frame will be a horizontal 115 pixel wide nav bar while another Freme will fill the remainder of the screen. Note the <NOFRAMES> section which will appear if the site is accessed by a browser with no Frames canability. The nay ber will be loaded from nav html and the main window from

The important part is the nav bai. Waineed a simple table using BGCOLOR to form the byperlinks. The code will be a little too large to Include here but the gist of it is that we place three HTML files in the root of our web site.

The index html with the Frame definitions es above, new html for the navigetion bar and main.html for the main Frame. This is repeated Inside subdirectories for each of our sections The meior difference is that the ney html changes the background colour for the table cell/link to that mas. This way we have a pressed button laak.

-TARLE STITUTE-100%">

4775 h <TD BGCOLOR="80000EG"> SECRET COLOR="STEFFFF"> <#> sayMonstere</#>

</PORT> < /™D> </TR>

<72> <TD 8000108="#606080"> ca brafulet/index.btml> 1st esction

</700x </48> </TABLE>

Above is an example from the nev bei table with a 'Monsters' heading in dark blue with hold white text followed by a link cell in light blue. We haven't bothered to set the colour since it's a text link and this can only be one colour anyway - as specified by LINK-"#RRGGBB" in the BODY teg Note that each row <TR> only has one cell-

<TD>. Now Inside the 1st/ directory where the link points to, the nev bar will be altered to the following:

<TD BGCOLOR="#F00000"> lst section </TD> </TE>

Since we are ectuelly at this link, there's not much point having the href there but it's left here to illustrate the ' / edded to the front of the path 1.7 goes UP one directory which is The big change though is that the call background colour has gone to bright red and the which section we are in now Mett Settieson

Pages on disk



The eatirs directory atructure is on the floppy and CD-ROM in the Magazias directory. This illustrates sophisticated

use of a simple table to avoid the need for lalies graphics at all. Ose important fact to remember though is that the new bar must contain the teg... < BASE TAR-GET - top > so that the entire Frema structure is reloaded from the top. Try leaving it out to see what happean. This ien't the most afficient san of Fremes alaca the nev bar anada to be reloaded in each aection however If thin is a farger alte, each section will be an Index and throughout the eav her will indicate which section the browser is viewleg. Next month I'll be russing as HTML

DbA asseion, so plasse E-mell your questions to wiredworld@cuamiga.co.uk or saali mail to Wirad World at the usual address.



Net God speaks who isn't on the Internet Your probably even know another Amiga user who isn't on. Why aren't they? Email sounds like a reason to write more letters to overseas relatinue? Web browsting sound expensive, technical and just a waste of time? Boots me. I don't understand them and probably neither do you. However, now the Amiga is looking like a promier internet machine, we've clerified the costs in full in this month's feature and provided ridious lough easy to set-up software... There isn't on excuse any more. Not even a hint at one anart from ignorance. in. You worst have to do everything for them, just point them at this Enough already, let's

This month CU Online goes PNG, HTML news of frame and tablas, JAVA and SSL.

CU Online goes PNG

he debate is over CU Amige's Web srte will make the move to PNG on the 1st of June Now that the latest Microsoft Internet Explorer 4 0 bata supports (bedly) PNG loading, users of other platforms can access the site while Arrige users can fully exploit fester and more attractive PNG pipgressive displays Currently only Voyager-NG supports PNG Internally but all browsers can use the excellent PNG datatypes aveilable such as the Aminet util/dtype/ekPNG43x lhe, full details on PNG and what it means can be found in the news section of CU's web site at http://www.cu-amiga.co.uk

Miami 2.1 gets SSL migs web browsers need secure

HTML. This is an encrypted method of sending form data and the like for safe transactions over the Nat The classic application is nolms shoromo where the using Secure Socket Layer or SSL. Rather than implement this vie the Web browser Holder Kruse has added the facility into his excellent Miamr Amiga TCP/IP stack been released than Voyager 2.70



Amice secure HTML browser A registered Miemi 2.1 is needed to eccess SSL and the system for obtaining the right encryption library from another site is convoluted - thanks the American lews on ancryption technology Existing registered Miami users will also need to upgrade keyfiles to version 2 with the new registration tool The whole installer and international encryption library can be Miemi home paga is at http://www.americe.com/~k russ/amiga/Niami.html

New Vapor site and

Voyeger-NG with their international margis but they seem to be resolved. In fact, they ve introduced a fantastic new-look with site showing off frames and tables to the fullest The big news though le Voveger-NG 2 90 as yet again the sharewere MUI besed web browser noes from strength to atrength Now supporting SSL secura HTML (see Miami 2.1 item) table hackground colours, network status built-in PNG progressive loader text clipping from window will be a main contender in next

month's Bettle of the Browsers pert If as we place it head-to-head with IBrowse and AWeb 3 The unregistered V-NG will run for 30 minutes before quitting with the http://www.vap-ox.com

Heave ennounce Merapi Java Heage and Partner is responsible for the Storm C++ comprise, the only Amrga development package to compile for PowerPC Now Hasps have announced that they will bring Java to the Amige. The 'Merapr' Virtual Jeva Mechine (VJM) is sat to be released in July/August. The Merepi JVM rs. being programmed by Jargen Vermeulen in conjunction with the Heage Storm C team Marapl will feature a Just In Time (JIT) compliat for extra speed if running bid Jeva applications like Corel Office for Java, Merapl is reported to be interfecable to Web blowsers like content elso. Finally Menapl is sard to be integrated into the Storm.

PowerPC operating systems is under way Haage and Partner's httm://www.haagepartmer.co m/je_e.htm

Development System and a port

web site is at



Surf of the Month

Non-Amiga specific novelty sites and a new online Amiga speciality site, rise to the top of e glassy sided tube es we surf freestyle this month...

or anyone who thought that Germany had the drop on all things Amiga, Sefe Harbor is a US site that covers the Amiga, Macintosh and PC, providing an online ordering service and more importantly parhaps. Amins specific sites where you can order the letest products and downloads, its speciality is Amica desking since 1987. But they don't just stick to video Safe Harbor's site covers so much stuff that there's even a search engine that will look for a particular product. The rate has got tons of products all simply laid out and is pretty nippy



Those sites in full

labour / /www. shauthor, nom

http://mew.thenesios.com Kurt Cahain's Meals Talkers 5-9all http://www.mmcld.com/ooksin/sakonbain.buml

How do they do that with HTML? http://www.maskville.mat/-carl/htmlguide/ http://www.nationalpsographic.com

even has its fans in the PC and



Mac infested United States. Slightly wandering off the stigight and narrow of Amiga dediceted sites. I thought that this month, it might be interesting to look at several examples of fun. funny or frohesome sites. The Onion is a US-based satincal magazine, the online version of which has clean and fast pages that are updated weekly to include the world's top news stories. The site is HTML besed, with no Java-based pages, so everyone can access it easily. The site portains four electronic issues of the weekly newstand magazine and even has an exchive of published staries arouped by subject. It's certranty bitmaly funny, it's definitely a professional site and at the moment, access is free! If up to the minute political satire is your beg, this is

well worth a look Still in the states, there are never too few net loonies to disappoint you. Here though

the quality of people's lunecy is complemented by the sheer simplicity of their own sites. Kurt Cobein's Megic Talking 8-Ball has the late 'n great Kurt Cobain will answer your questions from beyond the grave through his favourite pool ball. All you will need to do is to ask the questions., You'll also need a WAV player like Play16 or a detetype so that you can hear the mae-

If you need to know something about the world, its forests, meraanimals, cultures and so on, then you really must visit the National Gaographical



Society's web site. It really is a very good exemple of excellent site design and contains video end sound bites on many subjects. It's main feature is its messive database which holds a wealth of information just writing to

For enyone who would like an address to Just How Oo Thay Do That With HTML, is not a bad place to start. It might even prove ideal for any of you that are currently following our HTML tutorial in Wired World (pages 80-81) Here you can find a little Instant help with all your HTML questions. It's online help detabase is by no means extensive, but it does provide an excellent starting point for all would-be Web page designers There's even a chat area on the site, although it appeared to be deserted when I visited

Lastly if you're into interactive sports trivial then the Kellogga-Strike site is one of the best I've ever seen. Answer the guestions

to get posession of the bell and eventually score goals. You can even play in a league against other players Really worth a look! **Garth Sumpter**



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Frequently Asked Questions

FAQ makes a few notes of MIDI and

II Q. What is MIDI?

■ A. It's a "Musical Instrument Digital Interface", used to connect together vanous pieces of electronic music equipment. This makes it possible for a musical keyboard to trigger sounds on a sound module for example it is elso possible to commet computers to a MIDI instrument, to record and play MIDI Information.

■Q. What is General MIDI then?

A. GM, or General MIDI, is a standard which delines which, bounds en instrument has svaliible. A piece of music composed on a GM module will play back on en GM module. GM was sittedduced by Rolland There are also some other enhancements, usuelly used as well as GM, moluding GS and XG from Yamehs

■Q. What other sort of equipment comes with MIDI interfaces?

■ A. Almost any electronic instrument. This includes keyboard synthesizers, sound mod ules (synthesizers without keyboards), drum machines and externel samplers (dedicated amble replay mechines). It's slop posible to get MIDI versions of guitare, porcussion and wind instruments or to edept older instruments to undestand MIDI.

If Q. What does a MIDI connection look like?

A. MIDI sockets are 5 pm DIN plugs. If a piece of equipment

sends MIDI information (a key board for ascomple) it will have a MIDI OUT socket. If it meanes information issuch as a drum machinal it will have a MIDI III socket if the equipment both sends and receives (such as a synthesiser keyboard) it will have both MIDI III and MIDI OUT Some adupment will have MIDI THRU, which echoes information arming at the MIDI III por and MIDI III por and property of the middle of the middle

Q. Why does MIDI THRU exist?

A. By connecting a lead to the MIDITHRU port, you can chain together several MIDI compatible devices. It's possible to anomect the MIDITHRU of a sound module to the MIDIN of a dram machine, and connect the MIDITHRU of the dram machine to the CANTER AND THE MIDITHRU of the dram machine to the MIDIN of a dram machine to the MIDIN of a lotter sound module

Q. How does WIDI work?

II A. M(DI is a senel link, not it decent seed any sound information, instead it sends a burny code which controls the connected devices for exemple, imagine upon here a missic evident documents of the connected to a synthesiser sound module. Present a load of describing the note end how hard you presend the key to the sound module the sound module the sound module the sound which is output through its ordinary settle outputs.

Q. Won't all the connected devices make the same noise?

■ A. MIDI uses channels to sep-

arate information. Each note or volume massage that is transmitted includes a special channel, from 0 to 15. The MIDI devices can be configured to only respond to information sent on the relevant channel: this means up to 16 totally superate sounds can be played simultaneously.

■Q. What size does MIDI transmit?

MIDIX transervit?

B.A. MIDI can be used to send aimost any passerseir relevant to send aimost any passerseir relevant this includes the particular voice to play (the patch number, if he volame the patch aimost, he voice to play (the patch aimost, and the patch aimost aimost

every sering changes.

MIDI can also be used to exchange samples: for example, a dedicated sampler module can send a sample using MIDI to a computer for editing. Semple Dump support like this was only passible on the Armige with a package called "Clenty".

Q. How does MIDI work on the Amice?

E.A. The Arrige needs a small box called a MID Interface which connects to its serial port before it can be connected to eny MID! equipment. This box conteins the DIN plags required for at feet at MIDI IN and MID! OUT connection to the Advanced for at feet at MIDI IN and MID! OUT connection as processed on the Advanced to the MIDI internetion, a process called "Sequencing" Sequencing software or the Advanced software or the Advanced software or the Advanced software or the Advanced software includes

MusicX, Bers and Pipes and good old OctaMED.

■ Q. Why is it such a good thing?

■ A. With the wide vanety of MIDI aquipment dround today, you can create a professional quality home studio all based on using your Ample as a sequencer You can play notes on a music keyboard, edit them on screen using the mouse, and then replay them. Rememble, one MIDI sequencer and control up to 16

Q. What do I do if I want to try MIDI out? A. If you already use 5

packing such as OctaMED imagine what you would do if you had enother 18 tracks at your deposel; you could include percussion, strings, goldens — in fact, amphing you boy a MDID sound module, for a leftel ower FIDO, or less if you shop or such you would not look for second hand bergame. You don't need a muses keyboard to get started, but it does make artering notes the property of the property of

You'll need a MIDI interface for the Amige, and a way to listen to the output of your new sound module. Piping it through your hifr or a small mixer, will combine it with the Amige's output.

As your music set-up grows, you can add more instruments such as drum machines, samplers or keyboards. Next atop? A top the hit or even a demo tune on the CU Amiga cover CDI IYou could even it yo checking out Sound Lab on page 84 tool).

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nde Series III 1000 netwiera many 500 sales



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Logos, meanings and mysteries:

CD32 gueries. ParNFT and various other related problems



All ebout upgrading RAM. operating sveterns end processors.



Plug-In herdware scenners, disk driven etc



Answers to quaries on perticular places of software.



Music, sampling. MIDI and anything that makes e loud noise.



Miscellaneous took to keep your Amige running smoothly.



Form-feeds page-breaks. preferseces and ots, lots more?



Monitors, TVs. modulators. end ell that stuff



Pixels, eprites, nictures In ilems eng word: grephics.



databases, Organisary. accounts ...



enswering about the Internst Not everything



fits Into e elseonhole, but enything you like fits in here.



Whatever the level of your technical problems, put them to our experts and we'll do our best to sort you out.

Remember to give us as much info on your systems end problems as possible to help us help you.

Tower troubles



herd drive. The MAP eudio CD player works, but I cannot access the data on the CD-ROMs I phoned the PD house that supplied the program, who said that the drive was not mounted, I edited the startup sequence with mount cd0" as they suggested,

but on boot up, the computer still does not recognise this Mr Steven Pike, Gloucester

Mount cd0: is the wrong command. If you try to moont a device (the colon after the name indicates this) it will look for an entry in your monatlist. CD0 is a mountfile and is seperate from the normal mountlist. To mount it do not use the colon If you put the CD0 file in Devs/dosdrivery, it will be automatically magnied when Warkbench storts un

New hard drive A few questions

1. I ve purchesed e 25" herd drive for my A1200 and I have to say that it is the best thing. that I have ever hought (enert from the Amiga itself) While I was on the boot options screen I

noticed that my hald drive was registered as a SCSI device instead of an IDE, is this alright? 2. I have a 2Mb RAM board from Gasteiner and I was wondenng if I could remove the 2Mb SIMM and replace it with it 4Mb SIMM? 3. Can I still get the geme Moonstone somewhere? 4 I've seen pictures of Elite 2 in

megs which are completely differ ent from the screens | get Heve | got a duff copy or something 5. How much geer do I need to run Sim City 2000? 6. One of my fnends hes a PC He

said I could buy a PC CD-ROM drive and connect it to my Amige using a Squirrel If so what would I need to run your superb CUCDs?

J. Seeney, W.Yorkshire

I. Don't warry - there is absolutely nothing wrong. All hard drives are fundamentally the same, apart from the way the hardware interfaces to your combuter IDF hard driver such as the one you use have a different form of interface to SCSI devices. but the language they speak is the same. The SCSI Device referred to in the boot options screen is software to handles the drives. Whether your hard drive for indeed your CD. ROM drive) is IDE or SCSI hardware, it is normal for it to use SCSI-Device. 2. Yes, but consider getting more. SIMMs are to cheap these days that the difference in cost between a 4 oad an 8 Mb SIMM is minimal, Your memory ean cope with op to 8Mb.

3. Tricky. Direct Software might find a copy for you - (tel. 01694 722499). A There is an antion to improve detail in the menns. 5. 4Mh RAM and about 5Mh free hard drive space.

6. If you set a Sauterel you can connect SCSI CD-ROM drives. Without a Squirrei you can use IDE drives, a eheaner hut more tricks nation we have covered thoroughly in the Build Your Own Tower feature. With the Squirrel, you will have to arrange a power supply for the SCSI CD-ROM. You can buy them in cases with a power supply. This is how most CD-ROM systems advertised in CII work.

Faster clocks?

Although I have finally uppraided my A1200 to an '030/68882 50Mhz spec . I still find

scinens are very slow (Immarine 5.0 running in 256) colour mode etc.). I realise this is because the custom chips and 14Mhz system default

I sesume this is to not overclock the default A1200's 14Mhz '020 processor. Since the A4000 '030 was a 33Mhz model is it sale. to assume that the Amiga s custom chip set and RAM could be clocked at 33Mhz?

is it possible to replace the cecillator on the A1200 mother hoard with a 33Mhz one to gein # moderate emphics speed increase or would do no so effect other components/timings?

Paul Davis Street Somerest

Ah if only it were that simple. There isn't that kind of correlation between CPU speeds and the clock speeds of other chips. The chips in the A4000 run identically to those of the 1200. The AGA chipsel is just a slow chipset by modern standards. If you want a graphics speed up there's no alternative to a graphics eard.

Try playing about with screenmodes, ay they can make a noticeable difference to speed. The Multiscan modes look the hest, but are also the slowest. It's a good idea to configure your software with a screenmode that matches the ware. Use multiscan modes for programs that don't require quick refersher, and use PAL (or NTSC) modes for ones which do.

Upgrade time

I have enroved my Amlos 500 for quite a number of years but there is

very little going for it now For this reason I have now decided to purchase on Amiga 1200 and would aprequate your answers to

1. Can the A500 TV modulator be Used with the A1200, or will I need a new one? 2. I came across an edvert from e

PD libiery for "Relakick 1 4" and PC Emulator v2.31, Would you recommend these two utilities? 3. How much RAM would the A1200 require in order to run PC problems at a reasonable speed with the emuletor?

Robert Imossi, Gibretter.

1. The A1200's modulator is built-in.

2. Relokick is a "degrader", a proweam which removes tome of the additional functionably of an A1200. This allows some old software which would otherwise fail an an A 1200 to ron properly, and if you have a lat of old software, it's o good idea.

PC Emulators will run MS, DOS applications but, as they have to emulate the functions of a PC v86 processor, are very slaw, yet are OK for applications that don't need speed. Given how cheap PD libraries. are, buy the software - if you decide they aren't what one wanted then the word vou'll set is a couple of fairly expensive blank disks 3. You can't speed up your compater hy just throwing more memory at it. Adding a Fast RAM expansion will speed up an A1200 a bit, but to make a PC emulator run any facter than a slow 8986 PC AT, you will need an accelerator card. Power computing (tel: 01234 851500) is offering a eurrent bareoth accelerator at £100 for a 25Mhz '030 with 4Mb RAM a nipsy little device expansion that will serve you well, if not exactly state of the art. How much you need is to matter of personal choice, but when it comes to emulating CPUs, the

Tower

10.90

200

able

the

that

PAL

do

r 13

to

be



more RAM on board, the better,

1. I have been following your excellent "Build Your Own Tower" feescrounged an old 288 desktop with a powersupply

end I am adapting your feature as necessery Will a desktop do es well as a new tower? 2. In the boxout on page 31 of the April issue you say some older drives and 2 5" drives will not

work with a second device in the chain, is there any way of Jelling them epart except for actually 3. Can you name the dealer you mentioned who is selling CDany so cheap. Some dealers leugh when I mention 2x speed. What is 4. While I'm asking - when I copy disks to my hard drive. I and up stready on my Workbench such as Loadwb, endeli, ppmore etc. Can i safely delete these duplicates?

Dave Hedeway, Co. Amrim

1. A desktop case will do flue, the principles are exactly the same. The reason we talked towers is that the ald fashioned detking detions take up far more space for what they offer you than a lover

2 If you are after a new drive for your tower/desktop case, go for a 3.5" drive every time. The only advantage of 2 50 anits is that they fit internally, 3.5" naits are cheaper and better, and all modern 3.5" units will work with a secund device. If you are offered a drive and are unsare if it will work, the thing to look for is master/slave settings. If the drive has some way of changing master/slave zettings or the label zays samething like "internally configared as master unit" then it will work. Some 2.5" drives and very old 3.5" drives just assume that they are

3. We didn't name a sperific stockst as these sorts of bargains change from week to week. The misseum speed of a CD-ROM drive in the PC market is now considered to be 8x. anything slower tends to be sold off rhean. Huy a copy of the marazine Micro Mart and song through the ods for that week's best buy. As for an ontimum speed, as with all things computer related, antimum is the one that's faster than whatever you have. 2x will just about do, but we would recommend 4x for comfort and more if you can afford it.

the auth device

4. Normally, yes, but sometimes software assumes a program will be distributed with it for convenience. As a ceneral zuide, anything found in sub directories called e. devs. I. libs. funts or system, can be moved to the main directories of those names in vone workbench and then the spares deleted. If you keep truck of what you delete from where and only delete daplicates, 400 ean ofways put them back if things stop working.

X-CAD users



CU Arrige readers Nov'96 cover disk and ere interested In exchanging deas, offening support and dis-

nlesse write to-Tony McGertlend,

11, Lammy Drive, Omegh, Co. Tyrone BT76 5JR

N. Irstand. I know them are many X-CAD

interested in setting up a discussion group or support network Tony McGertland, Co. Tyrone

Good idea Toay!

Tech Tips

We get more letters asking for help then we can possibly lit in each issue of CU Amice. let alone find time to enswer. To reduce the bottleneck, we are introducing a regular column where we'll cover more general problems. If you have a tech tip that could save your fellow Amige users grief, mark it Tech Tipe and send it to the usual eddrese or E-mell us at: techtipa@cu-amige.co.uk

This month: VGA monitors.

We've had a space of requests for help with VGA monitors, and connecting the type that use RNC connectors at the back RNCs are widely used as a protestional connector because they offer a very good contect. Those two prongs ere part responsible for this, being used to lock each of the connectors into place. If your monitor looks like this at the beck.

VIDEO IN SYNC IN

then you have a BNC type. VGA BNC adepters can be bought from Meplin (tel: 01702 554000) for just under £20. These will terminate into a 15 way, high density D type connector - the stendard for PC monitors. You will need to get an Amiga monitor edepter too - many of our edvertisers sell them, try First Computer Centre (tel: 0113 231944) for exemple

You may have seen a pin diagram of the Amiga's video out end decided that those RGB connections look easy, but the Amige's RGB output is a little non-atenderd. The H/V syncs need to be buffered and crossed, the kind of thing which ien't a hard DIY job to do but simply lan't worth it - you won't save yourself eny money es the commercial edepters are so cheap

VGA monitors do not hendle the 15.6kHz ecen retes that the Amige outputs when it is in a PAL screenmode (15.72 for NTSC). If you plug in a VGA type monitor and you get a black screen, or one with a lot of flicker on it, that is probably what is going on. VGA monitors run at about twice this frequency, try using the DBLPAL and multiscen modes It may be a good idea to make workbench boot floppies with several different monitors set-up in preferences for easy interchangeability and to avoid your permenent set up booting into a display mode you can't view. Remember that any time the Amige tries to open a 15kHz screen, you'll run into trouble - this means almost no games. Utility softwere can be set up to use a VGA friendly screenmode first - set ecreenmode preferences to WORKBENCH CLONE for easy switching of the screene opened by all your softwere. Gemes rarely give you the choice, however, end tend to open in PAL modes that a VGA monitor will not display.

How to write to Q&A
fou our send your technical problems (or an

i-mail: qualifico-emigraco ak or tendence (Queu-emigraco uk We can except letters or tract files on floppy disk.

*PLEASE DO NOT SEND SAEs. We regret that we cannot except the qualification of the property of the process of the process of the process of the process of the program of the process of the process of the process of the program of the process of the proc



Backchat

Make yourself haard: send your viaws and opinions to Backchat: CU Amiga, 37-39 Millharbour, Isla of Dogs, London E14 9TZ, UK. Or Emall to backchat@cu-amiga.co.uk

Sharevvare alike

my heartfelt thanks to all those wonderful people who have supplied so much of the software that I use so is guistly. No not the commercial pro-

I use so regularly

No, not the commercial programs but the shereware that has filled the gep in these dark and desperate times warting for an OS upgrade I counted how much of the software I use is sherewere and I was enraced that it was well over 80%. I have decided to register all of them which does seen only fair, so once again a very big

thank you.

Before I sign off, I must compliment you on your CD. It is by far
the first of all the mags (no need

to mentroe any names)!

Raymond McCerthy (Team Amige), Surrey

What's going on?

What the hell has happened to the Anilga? Do software developers think someone with an Aringa is mentally deficient and will buy a lold crap they put on the shelives? I've had an Aringa since the ABGO first carns out and I cart remember a time when the Aringa scene was this back.

wee this bod, I seasify bought an A1200 for ESD Can you believe it? There were nothing woung with it was not been worsely with a E100 of games like Fronties and Monkey Island I and II Has everyone gone insene? Everyone thinks the Amiga is dead at othey set trying to get all of of their Amiga accessores fol any offsir. I've been telling adventage of my friend a stupidly and got in 1000 accelerations of the second of the

Amiga games scene? Developers are running as feat as they can to get away from us loyal users. A mechine and they can't stop laughma it got so bad I left the Arniga scene (plaese forgive me) and got a PlayStation, until one day I got a geme called Breed 96 brilliant! Sim City meets Command and Conquer, If only there were more games with this quality If only PD devalopers came together, forming development learns, the Amiga would once more be a success, instead of letting piretes and crap developers kill the Arnigs Could everyone with a PC do

me a favour and SHUT UPI They say "Get a PC. They're faster, blah bleh blah ..." What's the point in spending £1500 on a PC when in a month's time tr'll be obsolete and you'll have to spend enother £500 to upgrade the prie? You

could just spend £500 on # creamy coloured box of joy with the label Arrigs on it and never miled to upgrade again

If anyone wants to help the Amiga games scene by forming a development team send a CV to me and state whet you can do (eg design, programming lan guage, graphics/aramation sto)

Age doesn't matter
So I leave you with two questions are you going to just stand
end watch the PC take a turd on
the Amige? And now you know
the problem, just what are WE
going to do about it?

"Hevok", 40 New Road, Formby, Liverpool L37 7EF.

Are you quite finished, Air Havok? Someone get out of bed the wrong side this morning obviously. You're right about the Andigo games scere. The hig money moved out a long time ogo, but don't think it was princy that caused the shift. There's plonty of piracy on the CD-based consoles now, while developers continue to full over themselves in order to make.

CU Amiga is published by EMAP Images, the country's leading publisher of console gemes magadines, and so we were in a good pasition to see how and wife he action switched owny from the Amiga. Much of it was to do with the exclising new programming opportunities that these 3D contoles affered, but there was also the image aspect. Let's say no representatives from Let's say now representatives from

two different developers were in the

building at oace, both there to show us their new house of the second of the second of the the other of they are doing anything for the new 3-3-6 (consider. For one-doing of the second of the second

Young guns blazing



have been with the Amiga computer since 1990 with the good old A500, and have Seen the computer mature with time Just like your magazine. I pusconally have been with your magazine since 1990 land I em 14 years old!) so, thanks to you and your wenderful team at CU Amina I now.

consider myself an Amiga Enthusiastic Expert

Since I am only 144 can't expect you to publish my letter

when you hear of my set-up. I am surre you will I have sed for everything except the monitor and the printer My computes is an A1200 with a Bitzzard 1230 Mk 4 with 4Mb RAM monitor, extra drive soon to be CD-ROM, coloiu prints and a messive TGb 2.5 moch hard drive (which I managed to get brend new for only £150).

simply asked up my birthday money. Easter money and my pocket money (which sin't much because I buy you uncollent magatano) I also have the full version of I magne 2.0 and also the full versions of Real 3D Pro, Preal Pro 3D, Glamer 4D 2 and the cover disk were, limiting the 4.0. With these progresses I am producing wonderful images some of which I may siven send in to you at CU Amaga.

This just goes to show that even is 14 year old boy with ES at week pocket money and build his Aringe into a computer that goes file beyond any PC. So if a 14 year old boy can do it, why can't the thousands of Amiga owners do it? Thanks for you time and effort that goes into every CU Amiga magazins you produce LONG LIVE THE AMIGATIETT.

Scott MacDoneld, Carlisle.

That's the spirit! It's good to know the time and effort we spend on the mag is appreciated, and don't be shy about vending us your artwork or any other Amies creations you might have. pletely turn their back on the Amiga (ns opposed to simply expanding lato canvale development

Even so, let's not fool ourselves into thinking that a carrent Amiga can compete on an even footing with o PlayStation when it comes to games, at least not if you are planning to spend £500 on the Amiga and never upgrade it, as you suggest.

It's good to see you're willing to do something about it though. Att the best with your development team venture, and do let us know how you art on.

Command & Conquer?

I am an Italian Amige use; and I read every month the superb CU Amine I have just purchased the April issue and I was meding it when I came across the CD-ROM Scene section of your beautiful meg I was reading the Aminet Collection 4 seview when I noticed the small picture on the daht

"This name is Command 8 Conquer I immediately thought it know this geme very well because I played it a lot) Now, what I ask is what is the name of this game? What is the Aminet CD in which I can find it, or, better still what's

the Aminet path of this game? Please, tell me what this game is and where I can find at I must have that geme! I hope you will enswerme Oh yes, end hello to everybody at CU Amage and continue the excellent work

dpozzi@lng.unico.it

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That one picture has made on amaging impact an our readers. It's from a same called Forgotten Forever by Hungarian developers Charm Design. We covered it in our previews roundup in the June issue (page 39). There wasn't actually a demo of it on the Aminet Set CDs we reviewed, instead just a few screenshots. There is no demo at the time of writing, but we are in contact with Charm Design, so we'll keep you informed. You can find

out more from

http://dragon.klte.hu/~zavacki Alternatively, you might be interexted to hear that clickBOOM is said to be in repotiations with the creainrs of Cammand and Conquer to annual the reace! Red Alers to the Amiga. Likewise, we'll keep you up to date with developments on that

score too. Outdated E-mail

I find it rather sad that there ere companies who advertise e web presence and an E-meil address who do not seem to update their web sites, but even worse do not respond to E-meil One would think that given the clamate the Amiga has had to endure, that respond to E-mails especially they not want to stay in business?

It sure puzzles me Advertisers, please keep your web sites up-to-date and respond your web site in April 1897 to find "speciels" with 1998 explin dates still being promoted. It would be better not to have a web presence

Ken Harvey, Australia,

It seems many companies are jumping in feet first with a web site, without realising the amount of work required to keep such a thing up to date. When we lounched our site, we soon found we didn't have enough man hours to keen it up and produce the magazine as well. We've since had a total overhaul of the site and a bit of a re-thuffle staff-wise to make it a viable proposition. As you soy, it's in their interests to sort it out. Who wants to love sales?

Mogoo!

I was surprised to see that CU Arnige was the only Amige med to Gatoway Arniga buyout, apart from the initial news

pieces that ran across the gress Even so, your coverage of the deal didn't go anto much more depth than with the Stop Press Inaflet (which was excellent by the way end has been photocopied and handed and fellow Amige OK with you).

After CU's belanced comment and coverage of the rumques leadmg up to the deel, it was good to be able to read some facts, safe in the knowledge that they were indeed facts. Let's hope that book we'll have some real good news to celebrate

Peter Reresford, Woking

Amiga bites

Eve list seen CU Amiga on BBC2's new comput-'Computers Don't Brief typically lame "Buy a PC" type programme but you lot were on a (in paper form) Strangely, when Carol Vorderman was informing peoa (hhnnnggg) PeeCee, she seemed to be telling them to effectively buy an Armge, telling them to only buy what they would need, not being fooled into buying an overpriced computer when they only needed a cheaper one. tsk, tsk BBC And next week, they're off to PC World somewhat contradic-

tory, don't you think?

James Caygill, Northempton.

Waw! Amiga in 'positive publicity' checker in moss media! You don't get

Me renesars or connectors free CO. Jest the close old facts.





Big up A\Box

Re: Your response to the Latter of the Month from the Merch 1997 CU Amige issue I would like to show my sup-

port for your viewpoint (that win should embrace the A\Box despite its lock of official Amide branding and express the hope





with phase 5 to make the AlBox the next official Amiga I have not heard of any elternatives that have sounded worth investing in to replace my current equipment and I would hate to see the Amroe user base fractured. The next Amige deserves all the support it can get to succeed. With phase 5's technical know-how and Gateway 2000's very good customer support (well it is certainly good in Australia based on my contact with them at work), the two would seem to complement one enother nicely

On to enother loop. I the been buying Amige computer imagebrace lot a few years in own and I've obligance's lot of software from the cover disks: Custom few of these cover mounted versions have persuided met to go on and by full or upderand releases. Now start, I was wordseming II it went to start, I was wordseming II it went to distribute things that haven't been done in the peat, in not enother wordprocessor, pent, 3D or muste program but something fresh program but something fresh program but something fresh when the program but something fresh program but something fresh wordprocessor.

program but something fresh There are several things that I would like to see, including the following (though it may size following (though it may size following though it may size the size of the Internet Moves Database Linovi the is on Armet but it at part too by to download Online access it soo much insuble for cessual use and too expensive for extending uppeal to a three bost of readers 2.4 hill release of UIIX for Ampa (NetBSD and/or Linux). There should be plenty of uses out there now with the nocessary headware Future articles and

could include software to run under UNIX moluring X users could be interested in this OS as it is sveileble forms and extensive knowledge of it would be a good career move. There may also be uses for it with students. Also, if a good knowledge of UNIX may fit in well with their mtended OS. 3. An older version of LightWave 3D Yes I know it s # 3D program for as I know! I'm tried of heanno how good LightWeve is and the letest release is too expensive for non-professional use. Just to try it. out for a white though would be a

superb opportunity
Listly, like the look of your
revemped web pages, they look
quite professional. It's a shame
that some of the pages are blank
with just a March 1997 villo up the
top. Will they ever be
finished/uddated required.

Ken Richerds kenrich1@ozemeif.com.eu

Great much think alike, and other clicker. We're working along very similar lines at the moment as far as cover dicks go. Take another look at our web paget (www.cu-main.cut) and you'll see they're had a complete overhead. In fact, it's looking like in most popular Amiga vin of the moment, Judging by the amount of hits we'r regently.

Games gone Since lete 1990 I have been reading your magezine and getting great insight on gemes and applications. But sadly, the emount of commercial new gemes coming out has come to a steady and grinding halt. This saddene me as an eyd Amige user and so has been a per pleaming problem regions in the hardren from the

quite some time

Where have all the games in production gone? Why not get all the once quest Amige game producers to finish old projects and get them onto our shelves it would be more than welcome in the Amiga community having the chence to buy such gemes as Simon the Spicerei II or meybe Have old gemes like Stunt Car Recei, SWIV and FlashBack re-vamped to

sound it is bettin then not getting enry gernes at all Now I have a few questions. A frend told me them was a third garrer in the Sterdust series is this time? Also where is Fronter. First Errooutren? And who would you auguest oldes germes from as I am in I learnance, Australies and cannot buy gernes in the shops amynose? Then You for blamp anymore? Then You for blamp

AGA with eight chennel

N Milnes, Teemenie, Austrelle

It might seem like at's all doom and gloom on the sames from but the key to its survival will be the enthusiasm of the many independent Amiga coders around the plabe, and there's no shortage of those. There's the prople who made their own Quake conversion (unfortunately withheld from legal distribution by ID Software), the forthcoming conversion of Myst and ull sorts of unofficial clones and ports of other big name games appearing around the Internet. The missing link of the moment is someone willing to publish these gems, although the likes of Epic (with their Islana label) and Vulcan are doing a good sob in getting them a proper release. We've not heard anything about

We've not heard anything obout a Starkust III and Frontier: First Encumers was helved due to technical difficulties (they wanted it to run on a IMb A509 — dohl), and you should definitely check out our 50 Best Amigo Games For Feature from the April issue, which consolar pentry of contacts for (UK basects) mail order Amigo games suppliers.

To the Point...

Which Doom clone?
If you had to choose between
Out of Breathless AB3DII and
Gloom Deluxe which game in
your opinion would you say was
the ovariell best in terms of
owneplay and craptices?

Methew Collins, Lelcester

The tenn's combined opinion, rolled into one, is that for graphics. ADIII to be they for graphics. ADIII to be they are shown in the ADIII to be they are shown of the ADIII to be they are shown of the ADIII to the they are shown in the ADIII to the they are shown in the ADIII to the ADIII t

Fruity features

I'd just like to say that I've been reading OLI Ample now for over five years and not massed a single saw elvel no year on the year and not massed a single saw elvel no hy one or twol, and even though the Ample is equably in the worst state even conversely your mapsions is better than it has even been The recent our of bestures cover desse (DD) and reviews has pleasantly supprised me on a regular morthly basis. So one question with last states as longit

Colin Edwards, Kidderminster

You're making us blush now! Why has it taken so long? Who knows, maybe we just weren't trying before.

More DIY

It was with a hint of sacfines that I pound once the third and finel part of your Build Your Own Tower sense, Not because I carit efford/be bothered to do it imposed I make a saing up), but because it west the feat part of an excellent feature. So just whet do you intend to do next? How below a similar thing devoted to making your own portable. Amiga? Now there's a challenge!

Adrien Miles, Northempton

Never let it be said that we don't like a challenge here at CU Amigo. Thanks for your support—and as for a new project as a series feature, well watch this space...

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t like

Points of view

Nostalgia ain't what it used to be.



It's showbme! Well, by the time you

read this, the World of Amigs Show

will have come and gone, but publishma this before the event. Still, it ell III Teay Margae

ing schedules ere such that I'm writshould have gone ahead as planned. with thousands of happy punters hav-Cili Amiga Magazine's Hiter ing made the return journey, tired but 66 The thrill of a man dressad in a

pink catauit with a big nosa toasing

satisfied, with a parner bag or two full of bargain widgets for company

after the troubles the Amiga has had to ride out over the past twelve months. After the damise of Escom, meny wrote off enother World of Amige show, but it's beck, and looks to be even better than before.

Typically, the WOA show is not like other computer shows. At your regulet PC show you'll be bomberded with glossy publicity packs, video walls with American accentrid voice-overs men in suits, Information technology seminars, more suits. Your reguler ferent bell game. You're likely to see more Ster Trek T-shirte than suits, and envoue droning on about informatiou technology will be swiftly drowned out by the yearest PD/CD-ROM supplier blasting out the soundtrack of the latest hot demo. In fact, it's easy to trace the show's roots to the ZX Microfeirs held in the early 80s.

As a school kid, I remember getting strangely excited at the thought of travelling up to Muswell Hill in North Londou, packet money clenched firmly in hand, to check out ZX81 and Spectrum scenes, as I'm sure meny of you reading this must heve done too But who could blame us? I meeu the thrill of a man dressed in a pink catsuit with a big nose tossing out free 'Pi Men' games to the crowd, the swap-frenzy down the back of the hall, in which you could switch your copy of Mr Wimpy for some sucker's Ant Attack or maybe even get technical and buy a Currah speech synthesiser And for lendmark technical echievements, the legendary mutecle of the Space Invaders clone

- on a ZXB1 was awasome! Then comes the long trip home life that you'll reed on instruction man ual Not forgetting that jeelous sideways glence at the bloke seen leaving with a new computer/monitor/rocket under his erm. And all I got was a roll of fire demaged thermal pouter paper

Why all this eve-moistening nostalgin? Wall, that's how I hope most of you see recent Arnige shows. Over 10 years, I've attended Commodore and Amiga chows as a magazine exhibitor with Commodore Computing

International, Amiga User and more recently CU Amiga, which puts a different, but still enloyable slaut on it from my personal perspective

I hope enyous who menaged to get there had a good day out. Who knows, if things improve, we might even get back to the situation where we have an Amige show 'up North' Stranger things have happened

average PC user can't make a differ-

ance to the PC world - everything is

out free 'Pi Man' games... 99 A letter from America...

by Jason Compton I'm the owner of a computer which is not the most popular platform in the

world. It's not even number 2 And you know what? I couldn't be happie Just es it's importent to have different points of view, I flimly believe that it's important to heve different ways of doing things, even if everybody has the same goals, Hence, it's just as important that we have Final Winter as it is that we have Wordworth It's just as importent that we have ImageFX as it is that we have ArtEffect, it's just as Important that we have Creams4D as on January Committee or it is that we have Lightweve and Februario-Chief for Bernet House's

Ordine Magazine Imagine - and on the same token, it's

66...the Amiga market is laden with 'local boy makes good' stories and rasi people who you can reach out to 99

ruet as important that the world has the Amiga es it is that it has PCs and Macs They can have things their way,

we'll have it our way There's e certain short-sightedness at play in the computer world. Much of it comes from the US American millids who seem hard-wired into the ides of dichotomy - s choice between only two options. It's no wonder that the American computing press can't cope with the idea of platforms other then the PC aud Mac when of 435 officials in the lower parliementary house, exactly ONE is officially "independent " All of the other 434 era from one of the two major parties. I take a look at European politics and society, and I see a fer more complex mix, which I really believe to be our of the reasons the Arrage has enjoyed greater success in Europe than here Believing in "sefety in numbers".

makes "safety" elso enonymous. Your

the Amiga as lesting as it has been We all know what is bast for us and we've mede our computer platform choice accordingly It's important not to let anybody take that away from us, and equally important not to lose sight of what has made the recent difliquit years bearable as we acremble

fer too diffused and companies are acknowledged, Luckily, the Amige markat is laden with "local boy makes good" stones and real people who you can reach out to. Look at the pagple CU interview. Their individual efforts have made lasting impressions on us and our Amioss I would like to see the Arage man

ket grow to new levels, guided by

Geteway. But to get there, we need to

for new enswers and new direction.

remember the things that have made

Infringing on creativity



by Andrew Korn There is a rather lex attitude toward copyright in the Amiga world. No. this isn't yet another distribe about the evis of softwere piracy, what I am talking about is the way so many in the Amiga world use other people's work If you ware to buy yourself a PC CD-ROM of clip art, the artwork would probably be copyright cleared. You don't went to use an image in some important piece of work only to find

tal

tion @

that you are in breach of the copyright. Copyright clearance is some thing that all too many in the Amige world seem oblivious to One of the reasons has to be the Influence the Internet has on the Amiga scene. On the internet, people have a tendency to use resources as they see fit. If a nice GIF turns up on somegne's web site, you can be sure that it will be on another dozen within 24 hours. In the reletively small world of the Amica, the assumption is that this doesn't really hurt anyone So it doesn't hurt who then? I reckon that if some X-phile put a collection of Anderson on a CD-ROM, you can bet that they haven't paid the photographeis for duplication rights. This would most likely amount to somewhere in the region of a 6 figure sum : at least, going on the basis of normal faces. Of course no-one would be able to get a those sorts of fees, the ever-

age Amion CD-ROM doesn't make

close to this sort of money OK, so

sometimes these things just happen,

but given the highly creative tenden-

cies of the Amigs community, what

really puzzles me is how often people

66 Scenning images into a computer dose NOT megically make them your copyright 99

don't even acknowledge the work of

One of the worst problem seas is illustration. Scanning images into a computer does NOT magically make them your copyright, and certainly doesn't make them your work. Many real Amige ertists are so concerned with the ubiquity of acanning that they Write "not scanned" on their work A recent senes of uploads to the Aminet consisted of a collection of works accompanied with a small textfile and no credits beyond the line "picture by Jeke" I'm not certain if this person is really trying to claim authorship, but I know at least some of the images aren't his, and a text file saying something along the lines of "this picture is like 30s or 40s pulp SF covers" is not the same as seying "Picture by Frenk Kelly Frees, 1958." We all expect credit for our own work, let's see some effort put into crediting others .

Great tools don't make great mechanic



by Mat Bettinson

the back teeth of Arriga users arguing all the time. People announcing to the world that MUI is great, MUI is evil, Directory Opus 5 is a step backwards aliced bread AWab is best, no Browsa is, no V-NG is the only good on I've been listening to it for years now and everyone is exactly at the same pisce they were back then. Guess what, if someone hates something you love or vice versa, arguing

about it ian't going to change their mind it slust going to lead to stress and a complete lack of any productive effect at all, Their opinion may be completely unjustified, based on rumous hearsay and ronorance but it little people in their own part of Amiga

land so why not leave them be? Oh I don't expect for a moment auddenly everyone is going to atop debating on Amigs softwere and products. How would any of us know there's a better way to do something unless we hear of it from someone else? It's the same old arguments that bother me, MUI vs Gadtools vs Classect, Opus 4 vs 5, Web browsers, so on it's already been done. You might think someone else is crazy but their needs are probably different, as their Amiga specification is elmost certain to be. Above all alsa, their personal preference may well be different and that's not a crime, it's the basis for modern society. It's got to the stage where I can haidly stand to read Usenet, join an IRC channel or read my E-mail Wherever I go the same old arguments are raging. People try to convince me that the tools I use, or prefer, aren't as good as the ones they use

66 Where ever I go the seme old ergumente ere reging. People try to convince me that the tools I use eren't se good se the ones they use. 99

things to talk about? How's some of these for starters. What are wa going What does Gateway 2000 really mean for us? Have you seen the latest aoftwate on Aminet? Jen't it just great that the Amiga's software is getting so good these days? Has anyone found a way of doing X? What would you like to see in a new Amiga? Productive useful conversation with other people enlightened enough to use the Amioa platform. If not your specific choice of software It's easy to revel in our computing bliss but there's no reason to Impose it on others, lord knows we despise this enough on other platforms. It's about as welcome as Mormons calling during your best mate's stag night I think we're all incredibly lucky that we have a wide and excellent choice of high quelity software to use at all Enough said, enjoy the magazine

l Mat Bettinoon is Il Aniga Megasina e schocal Editor.

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Uuality Branded Mo

We only supply quality branded moderns (Dynalink UK Ltd). which may cost slightly more than their unbranded competitors, but they ship with a 5 year werranty, the knowledge that i # UK company offers support/information and you are buying a modern with quality (Rodovell based) components

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NETCONNECT VI REVIEWS

NetConnect has received rave reviews by Amige Internet experts from paper and unline magazines! Many of these reviewers recognise the ease-of use of the package, the comprehensive collection of soft ware and the backup support we provided vis our mailing list, web site and telephone hotline (during office hours).

CLI Arrise (June 10) 89% Aeriga Formal (June 117) 80% Gold Award * if you've considering period online NepContent is the period choice for the Aragin seen."

Arreja Computing (July 97) 92% Swilah (lesus %) 5-5 * Dank of the claus* (prene hoputavegaworld consthelate)

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Intervett Just choose the provider, order some user details (curry, email address) select your otoders and you are recoy to within NatConnect in supported with regular apprates. Arriga Formal concluded (Aues 87 (saux) "Almost the perfect peckage for the Arriga Interest user. "If you need to get ordine. It is in the encient way to do it" and "It's good value for money too sepecially the burstle including the 33.5K modern"

AMITCP v4.6 DIALUP Any TCP is a new left TCP which, enhanced or developed by us and MSDI with Tulk Coll control VOYAGER-NG v3 MICRODOT-II

The industry enveloped FTP clant and the new-lier one FTP progress on the Amigs.

AMIRC Agents, the Industry standard Arrigs IRC clearly south to be before that his PC and Ren 196601

AMTELNET

Use Andieles to maintain your seek also, some to extend occupations above and no owned NET INFO Retials to a new program by Oliver Wager's security the net incommon ping services sit.

AssTance to a common program - contact to BBG, sand thes to your bloods Arrigo PC Mee X-ARC Brant new DOpas Ha within which integrates with the Me

STOP PRESS...STOP PRESS...STOP PRESS...

If you thought NetConnect was good check the specifications for v2 (due out around the middle of June):

· Wizard GUI - makes configuring your ISP a doddfet . Re-written Am/TCP Dialler (MUI based more control) * Programs are now keyfile besed (can be used with any TGP stack)

· Voyager v3 (see other box for information) Updated, latest versions of all the includes (Microdot-II, Am/RC v1.57 etc) 64 page introductory guide to NetConnect/Internet Pkit many more changes and additions.

Voyager v3 Announced

At the time of writing no other Ampe web browser even comes close to the specifications of Voyager v3. New major features include:

· Javascript - the major feature all Arrigs web suriers have been waiting tor . Liss fast mem for images on AGA machineett Never run out of memory agent . Security Socket Layers (https:) with CERT management (afters ascure grisss ordering) Netecape style frames based news

 Imemal PNG decoding of images . Test marking and paste to clipboard HOT NEWS! Hagges Partner and Vaporware have agreed to

include Merspi within luture versions of Voyager-NG. Merepi is e JAVA virtual mechine for the Amiga computer! This means you will be able to use JAVA within Voyager-NG. Merapi is expected to be completed by August



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